



Parts Manual

Transfer Switch

150/225/260 Amps

OTPCB (Spec A)

MODEL IDENTIFICATION

This catalog covers models produced under the Cummins®/Onan® and Cummins Power Generation brand names.

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Cummins Power Generation nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Cummins Power Generation manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



This symbol warns of immediate hazards which will result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS



Service and repair of Cummins Power Generation equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.



Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.



Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!



Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

Introduction

This catalog applies to the Cummins Power Generation OTPC 150/225/260 Amp Transfer Switch. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the model and spec number from the switch box nameplate, select the parts that apply to your Transfer Switch. Unless otherwise noted in the parts description, parts are interchangeable between models.

Feature Options

Code	Description	Code	Description
A028	3-Pole Switch	L202	Auxiliary Relay – Emergency Position – 12 VDC
A029	4-Pole Switch	L203	Auxiliary Relay – Normal Position – 12 VDC
A035	Utility to Generator Set Applications	L204	Auxiliary Relay – Generator Start – 12 VDC
A036	Utility to Utility Applications	M003	Terminal Block – 30 Points
A037	Generator Set to Generator Set Applications	M007	Load Shed – From Emergency
A041	One Phase – 2 or 3 wire	M017	Security – Front Panel
A042	Three Phase – 3 or 4 wire	M018	Display – Digital
A044	Frequency – 60 Hz	M020	Communications – Lonworks
A045	Frequency – 50 Hz	M022	Monitoring – Load
A046	Listing – UL	M023	Module – Relay Signal
A064	Listing – UL/NFPA-20	N009	Bus Stubs Connection
B001	Cabinet – Type 1	N013	Harness – Extension
B002	Cabinet – Type 3R	R020	Voltage – 120
B003	Cabinet – Type 4	R021	Voltage – 208
B004	Construction – Open	R022	Voltage – 220
B010	Cabinet – Type 12	R023	Voltage – 240
C023	Control – Level 1	R024	Voltage – 380
C024	Control – Level 2	R025	Voltage – 416
D009	Meters – Bar Graph Display	R026	Voltage – 480
K001	Battery Charger – 2 Amp, 12/24V	R027	Voltage – 600
K002	Battery Charger – 10 Amp, 12V	R035	Voltage – 440
K003	Battery Charger – 10 Amp, 24V	R038	Voltage – 190
L101	Auxiliary Relay – 24 VDC Coil	S049	Current Rating – 150 Amps
L102	Auxiliary Relay – Emergency Position – 24 VDC	S050	Current Rating – 225 Amps
L103	Auxiliary Relay – Normal Position – 24 VDC	S051	Current Rating – 260 Amps
L104	Auxiliary Relay – Generator Start – 24 VDC		
L201	Auxiliary Relay – 12 VDC Coil		

Abbreviations

Some of the following abbreviations may be used throughout this Parts Catalog:

AC	Alternating Current	MCM	Metric Circular Mils
Amp	Ampere	mm	Millimeter
A/R	As Required	MOH	Mobile Off Highway
AVR	Automatic Voltage Regulator	NFS	Not For Sale
AWG	American Wire Gauge	NPT	National Pipe Thread
CSA	Canadian Standard Association	OD	Outside Diameter
DC	Direct Current	oz.	Ounce
Deg.	Degree	PCB	Printed Circuit Board
EFC	Electronic Fuel Control	Ph	Phase
EIT	External/Internal Tooth	PMG	Permanent Magnet Generator
EPROM	Erasable Programmable Read Only Memory	PT/CT	Potential Transformer/ Current Transformer
ET	External Tooth	RFI	Radio Frequency Interference
GFI	Ground Fault Interrupter	RT	Right
ID	Inside Diameter	Spec	Specification
IEC	International Electrotechnical Commission	Thk	Thick
IT	Internal Tooth	UL	Underwriters Laboratories Inc.
kW	Kilowatt	UNC	Union National Coarse
LPG	Liquid Petroleum Gas	UNF	Union National Fine
LT	Left	VAC	Volts Alternating Current
M(meter number)	Meter	VDC	Volts Direct Current
		W/(ET, IT, EIT)	With

Index

A

- Actuator, Linear – Transfer Switch, 11
- Alarm, Battery Charger, 24
- Ammeter – DC – 10 Amp, 12 Volt Battery Charger, 27
- Ammeter – DC – 10 Amp, 24 Volt Battery Charger, 29
- Ammeter – DC – 2 Amp, 12/24 Volt Battery Charger, 25
- Arm, Interlock – Transfer Switch, 11

B

- Bar, Interlock – Transfer Switch, 11
- Bar, Neutral – Transfer Switch, 11
- Barrier – Transfer Switch, 9
- Barrier, Base – Transfer Switch, 11
- Base, Mounting – Transfer Switch, 9
- Block and Contact Assembly – Transfer Switch, 11
- Block and Cross Bar Assembly – Transfer Switch, 11
- Block, Hinge – Type 1 Cabinet, 15
- Block, Lug Mounting – Transfer Switch, 11
- Block, Terminal, 32
- Block, Terminal – Battery Charger Alarm, 24
- Block, Terminal – Network Module, 30
- Block, Terminal – Transfer Switch, 9
- Board, Printed Circuit – 10 Amp, 12 Volt Battery Charger, 27
- Board, Printed Circuit – 10 Amp, 24 Volt Battery Charger, 29
- Board, Printed Circuit – 2 Amp, 12/24 Volt Battery Charger, 25
- Board, Printed Circuit – Bar Graph – Type 1 Cabinet, 15
- Board, Printed Circuit – Bar Graph – Type 3R and 12 Cabinet, 17
- Board, Printed Circuit – Bar Graph – Type 4 Cabinet, 19

- Board, Printed Circuit – Current Transformer Module, 31
- Board, Printed Circuit – Digital – Type 1 Cabinet, 15
- Board, Printed Circuit – Digital – Type 3R and 12 Cabinet, 17
- Board, Printed Circuit – Digital – Type 4 Cabinet, 19
- Board, Printed Circuit – Network Module, 30
- Board, Printed Circuit – Power Module – Type 1 Cabinet, 15
- Board, Printed Circuit – Power Module – Type 3R and 12 Cabinet, 17
- Board, Printed Circuit – Power Module – Type 4 Cabinet, 19
- Board, Printed Circuit – Relay Module, 34
- Bracket, Connector – Accessory Control Plate (600 Volt), 21
- Bracket, Connector – Accessory Control Plate (Less than 600 Volt), 20
- Bracket, Door – Type 4 Cabinet, 19
- Bracket, End – Auxiliary Relay, 33
- Bracket, End – Terminal – Battery Charger Alarm, 24
- Bracket, End – Terminal – Network Module, 30
- Bracket, Terminal – Transfer Switch, 9
- Breaker, Circuit – Transfer Switch, 11
- Bus, Emergency – Transfer Switch, 11
- Bus, Load – Transfer Switch, 11
- Bus, Normal – Transfer Switch, 11

C

- Cabinet – Type 1, 15
- Cabinet – Type 12, 17
- Cabinet – Type 3R, 17
- Cabinet – Type 4, 19
- Capacitor – Transfer Switch, 11
- Charger, Battery – 10 Amp, 12 Volt, 27
- Charger, Battery – 10 Amp, 24 Volt, 29

Index

Charger, Battery – 2 Amp, 12/24 Volt, **25**

Chute, Arc – Transfer Switch, **11**

Cover, Arc Chute – Transfer Switch, **11**

Cover, Charger – 10 Amp, 12 Volt Battery Charger, **27**

Cover, Charger – 10 Amp, 24 Volt Battery Charger, **29**

Cover, Charger – 2 Amp, 12/24 Volt Battery Charger, **25**

Cover, Labeled – Transfer Switch, **9**

Cover, Printed Circuit Board – Type 1 Cabinet, **15**

Cover, Printed Circuit Board – Type 3R and 12 Cabinet, **17**

Cover, Printed Circuit Board – Type 4 Cabinet, **19**

Cover, Relay Plate – Accessory Control Plate (600 Volt), **21**

Cover, Relay Plate – Accessory Control Plate (Less than 600 Volt), **20**

D

Door, Cabinet – Type 1, **15**

Door, Cabinet – Type 3R and 12 Cabinet, **17**

Door, Cabinet – Type 4 Cabinet, **19**

F

Fuse – 10 Amp, 12 Volt Battery Charger, **27**

Fuse – 10 Amp, 24 Volt Battery Charger, **29**

Fuse – 2 Amp, 12/24 Volt Battery Charger, **25**

G

Gasket, Door – Type 3R and 12 Cabinet, **17**

Gasket, Door – Type 4 Cabinet, **19**

H

Handle Assembly, Actuator, **12**

Handle, Door – Type 3R and 12 Cabinet, **17**

Handle, Locking – Type 1 Cabinet, **15**

Harness, Wiring – 10 Amp, 12 Volt Battery Charger, **27**

Harness, Wiring – 10 Amp, 24 Volt Battery Charger, **29**

Harness, Wiring – 2 Amp, 12/24 Volt Battery Charger, **25**

Harness, Wiring – Battery Charger, **23**

Harness, Wiring – Battery Charger Alarm, **24**

Harness, Wiring – Control – Open Construction, **22**

Harness, Wiring – Current Transformer Module, **31**

Harness, Wiring – Load Shed, **34**

Harness, Wiring – Main – Type 1 Cabinet, **15**

Harness, Wiring – Main – Type 3R and 12 Cabinet, **17**

Harness, Wiring – Main – Type 4 Cabinet, **19**

Harness, Wiring – Network Module, **30**

Holder, Fuse – 10 Amp, 12 Volt Battery Charger, **27**

Holder, Fuse – 10 Amp, 24 Volt Battery Charger, **29**

Holder, Fuse – 2 Amp, 12/24 Volt Battery Charger, **25**

I

Insulator, Arc Chute – Transfer Switch, **11**

L

Latch, Cam – Type 1 Cabinet, **15**

Latch, Cam – Type 3R and 12 Cabinet, **17**

Lead – Type 1 Cabinet, **15**

Lead – Type 3R and 12 Cabinet, **17**

Lead – Type 4 Cabinet, **19**

Load Shed, **34**

Lug, Solderless – Transfer Switch, **11**

Index

Lug, Solderless – Type 1 Cabinet, **15**

Lug, Solderless – Type 3R and 12 Cabinet, **17**

Lug, Solderless – Type 4 Cabinet, **19**

M

Membrane, Panel – Type 1 Cabinet, **15**

Membrane, Panel – Type 3R and 12 Cabinet, **17**

Membrane, Panel – Type 4 Cabinet, **19**

Module, Current Transformer, **31**

Module, Digital Display – Type 1 Cabinet, **15**

Module, Digital Display – Type 3R and 12 Cabinet, **17**

Module, Digital Display – Type 4 Cabinet, **19**

Module, Network, **30**

P

Plate, Accessory Control (600 Volt), **21**

Plate, Accessory Control (Less than 600 Volt), **20**

Plate, End – Terminal – Battery Charger Alarm, **24**

Plate, End – Terminal – Network Module, **30**

Plate, Handle Mounting – Transfer Switch, **11**

Plate, Mounting – Battery Charger Alarm, **24**

Plate, Mounting – Current Transformer Module, **31**

Plate, Mounting – Load Shed, **34**

Plate, Open Construction, **22**

Plate, Relay – Accessory Control Plate (600 Volt), **21**

Plate, Relay – Accessory Control Plate (Less than 600 Volt), **20**

R

Rail, Terminal – Auxiliary Relay, **33**

Rail, Terminal Block – Battery Charger Alarm, **24**

Rail, Terminal Block – Network Module, **30**

Rectifier, Bridge – 10 Amp, 12 Volt Battery Charger, **27**

Rectifier, Bridge – 10 Amp, 24 Volt Battery Charger, **29**

Rectifier, Gate – 10 Amp, 12 Volt Battery Charger, **27**

Rectifier, Gate – 10 Amp, 24 Volt Battery Charger, **29**

Relay – Accessory Control Plate (600 Volt), **21**

Relay – Accessory Control Plate (Less than 600 Volt), **20**

Relay – Load Shed, **34**

Relay, Auxiliary, **33**

Relay, Control – Accessory Control Plate (600 Volt), **21**

Relay, Control – Auxiliary Relay, **33**

Resistor, Fixed – 2 Amp, 12/24 Volt Battery Charger, **25**

Rod, Actuator – Transfer Switch, **9**

Rod, Roller – Type 1 Cabinet, **15**

Rod, Roller – Type 3R and 12 Cabinet, **17**

Rod-End, Actuator – Transfer Switch, **9**

S

Spacer, Actuator – Transfer Switch, **9**

Spacer, Mounting Block – Transfer Switch, **11**

Spring, Conical – Type 4 Cabinet, **19**

Standoff, Insulator – Transfer Switch, **11**

Strap, Jumper – Transfer Switch, **11**

Strap, Load – Transfer Switch, **11**

Strip, Marker – Transfer Switch, **11**

Support, Channel – Transfer Switch, **11**

Switch Assembly, Auxiliary, **13**

Switch, Selector – Security, **35**

Switch, Toggle – Accessory Control Plate (600 Volt), **21**

Switch, Toggle – Accessory Control Plate (Less than 600 Volt), **20**

T

Transfer Switch Assembly, **9**

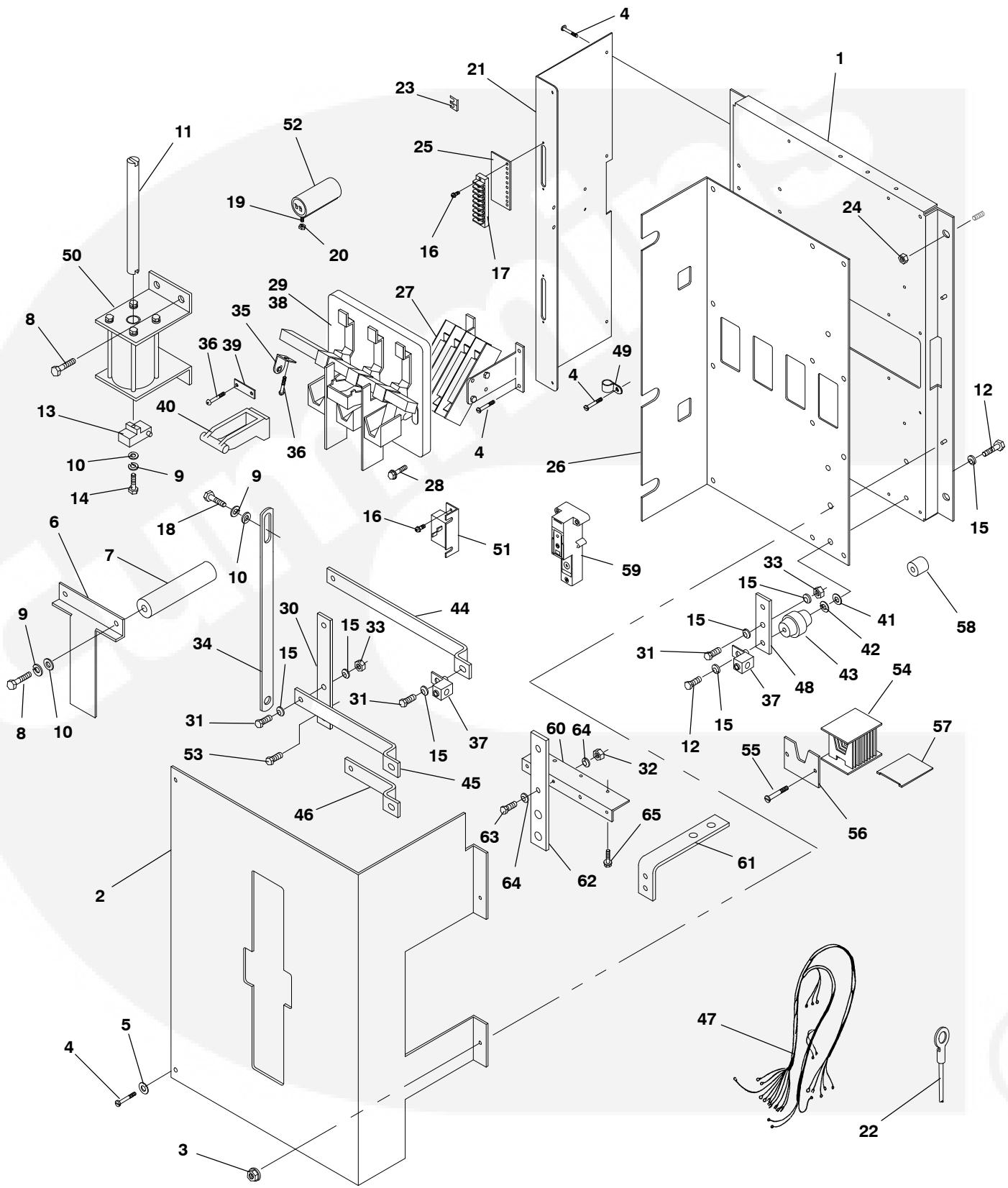
Index

Transformer – 10 Amp, 12 Volt Battery Charger, **27**
Transformer – 10 Amp, 24 Volt Battery Charger, **29**
Transformer – 2 Amp, 12/24 Volt Battery Charger, **25**
Transformer, Current, **31**
Transformer, Power – Type 1 Cabinet, **15**
Transformer, Power – Type 3R and 12 Cabinet, **17**
Transformer, Power – Type 4 Cabinet, **19**

W

Wrapper, Charger – 2 Amp, 12/24 Volt Battery Charger, **25**
Wrapper, Charger – 10 Amp, 12 Volt Battery Charger, **27**
Wrapper, Charger – 10 Amp, 24 Volt Battery Charger, **29**

Transfer Switch



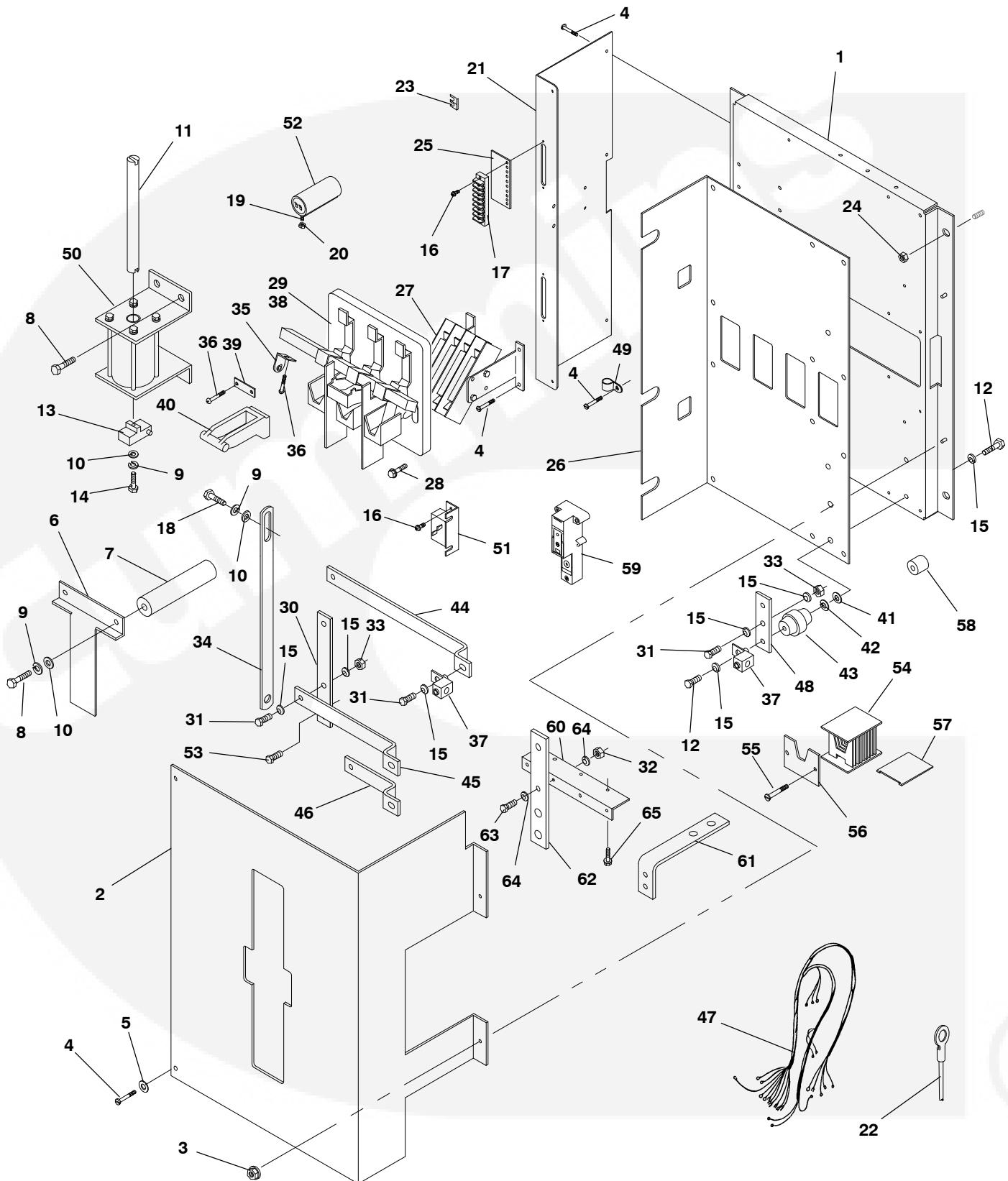
Transfer Switch

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Transfer Switch Assembly				4-Pole, Rear Connect with Bus Stubs
			3-Pole, Front Connect with Mechanical Lugs				150 Amp
306-4404-01	1		120 VAC	306-4407-02	1		190 VAC
306-4404-02	1		190 VAC	306-4407-03	1		208/220/240/600* VAC
306-4404-03	1		208/220/240/600* VAC	306-4407-04	1		380/416 VAC
306-4404-04	1		380/416 VAC	306-4407-05	1		440/480 VAC
306-4404-05	1		440/480 VAC	306-4407-07	1		225 Amp
306-4404-06	1		120 VAC	306-4407-08	1		190 VAC
306-4404-07	1		190 VAC	306-4407-09	1		208/220/240/600* VAC
306-4404-08	1		208/220/240/600* VAC	306-4407-10	1		380/416 VAC
306-4404-09	1		380/416 VAC	306-4407-12	1		440/480 VAC
306-4404-10	1		440/480 VAC	306-4407-13	1		260 Amp
306-4404-11	1		120 VAC	306-4407-14	1		190 VAC
306-4404-12	1		190 VAC	306-4407-15	1		208/220/240/600* VAC
306-4404-13	1		208/220/240/600* VAC	1	306-3574	1	380/416 VAC
306-4404-14	1		380/416 VAC	2	306-4269	1	440/480 VAC
306-4404-15	1		440/480 VAC	3	870-0320	2	Base, Mounting Cover, Labeled Nut, Self-Locking (#10-32)
			4-Pole, Front Connect with Mechanical Lugs	4	815-0652	14	Screw, Hex Head - Slotted - W/IT (#10-32 x .50)
			150 Amp	5	526-0008	2	Washer, Flat (#10)
306-4405-02	1		190 VAC	6	306-2340	2	Barrier
306-4405-03	1		208/220/240/600* VAC	7	306-3483	4	Spacer, Actuator
306-4405-04	1		380/416 VAC	8	800-0021	4	Screw, Cap - Hex Head (1/4-20 x 4.50)
306-4405-05	1		440/480 VAC	9	850-0040	8	Washer, Lock (1/4)
306-4405-07	1		190 VAC	10	526-0018	8	Washer, Flat (1/4)
306-4405-08	1		208/220/240/600* VAC	11	306-3473	1	Rod, Actuator
306-4405-09	1		380/416 VAC	12			Screw, Cap - Hex Head (5/16-18 x .88)
306-4405-10	1		440/480 VAC	800-0027	18		3-Pole, Front Connect
306-4405-12	1		190 VAC	800-0027	16		4-Pole, Front Connect
306-4405-13	1		208/220/240/600* VAC	800-0027	12		3-Pole, Rear Connect
306-4405-14	1		380/416 VAC	800-0027	14		4-Pole, Rear Connect
306-4405-15	1		440/480 VAC	13	306-3400-02	2	Rod-End, Actuator
			3-Pole, Rear Connect with Bus Stubs	14	800-0008	2	Screw, Cap - Hex Head (1/4-20 x 1.25)
			150 Amp	15			Washer, Spring - Conical (5/16)
306-4406-01	1		120 VAC	851-0028	24		3-Pole, Front Connect
306-4406-02	1		190 VAC	851-0028	22		4-Pole, Front Connect
306-4406-03	1		208/220/240/600* VAC	851-0028	12		3-Pole, Rear Connect
306-4406-04	1		380/416 VAC	851-0028	16		4-Pole, Rear Connect
306-4406-05	1		440/480 VAC	16	815-0651	6	Screw, Round Head - Cross Recessed (#6-32 x .75)
306-4406-06	1		120 VAC	17	332-2832	2	Block, Terminal
306-4406-07	1		190 VAC	18	800-0003	2	Screw, Hex Head (1/4-20 x .50)
306-4406-08	1		208/220/240/600* VAC	19	815-0029	4	Screw, Flat Head - Cross Recessed (#10-32 x .50)
306-4406-09	1		380/416 VAC	20	870-0131	4	Nut, Hex - W/ET (#10-32)
306-4406-10	1		440/480 VAC	21	306-3418	1	Bracket, Terminal
306-4406-11	1		120 VAC	22	226-3380	1	Lead (380/416/440/480 VAC)
306-4406-12	1		190 VAC	23	332-2605	1	Jumper, Terminal
306-4406-13	1		208/220/240/600* VAC	24	870-0281	4	Nut, Lock (3/8-16)
306-4406-14	1		380/416 VAC				
306-4406-15	1		440/480 VAC				

* Switch is actually 208 volts – A large transformer in the system reduces the 600 volt system voltage down to 208 volts.

Continued...

Transfer Switch

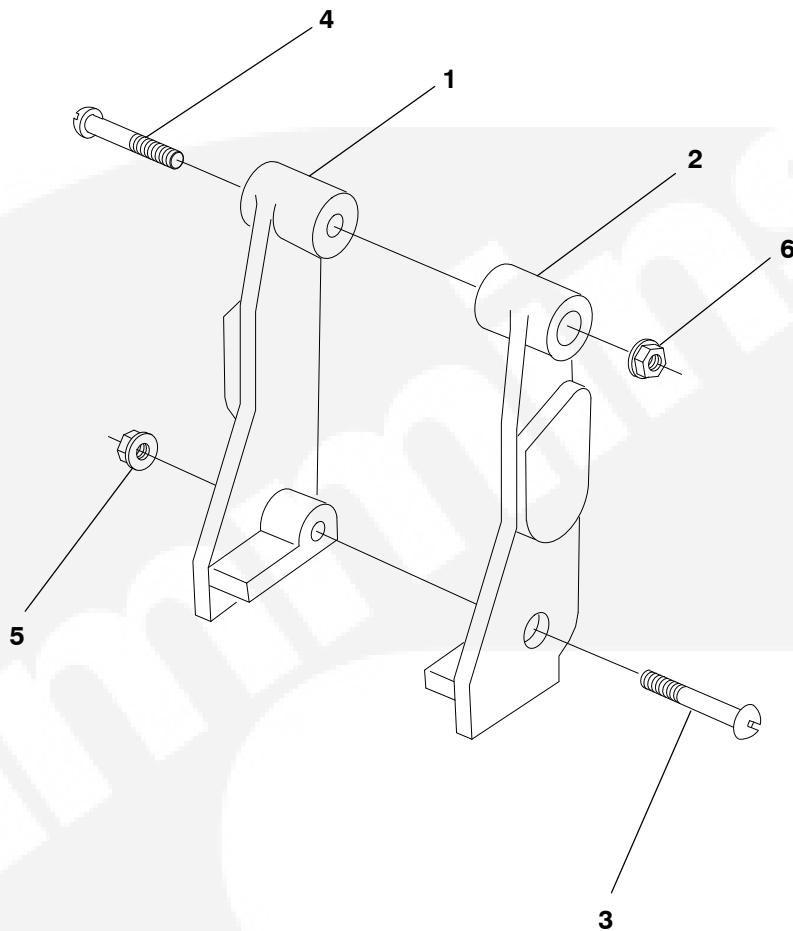


Transfer Switch

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				50	306-3471-01	1	Actuator, Linear
25	332-2903	2	Strip, Marker	306-3471-02	1	120 VAC	
26	306-3575	1	Barrier, Base	306-3471-03	1	190 VAC	
27	306-3417	2	Switch Assembly, Auxiliary (See Separate Page For Components)	306-3471-05	1	208/220/240/600* VAC	
				306-3471-06	1	380/416 VAC	
				51	320-0609	1	440/480 VAC
28			Screw, Self-Locking – Hex Head – Thread Forming – W/IT (1/4–20 x 1.25)	320-0608	1	Breaker, Circuit	
				320-0606	1	120 VAC	
						190/208/220/240/600* VAC	
						380/416/440/480 VAC	
	815-0667	6	3-Pole, Front Connect	52	312-0209	1	Capacitor
	815-0667	1	4-Pole, Front Connect	312-0204	1	120 VAC	
	815-0667	8	3-Pole, Rear Connect	312-0203	2	190/208/220/240/600* VAC	
	815-0667	6	4-Pole, Rear Connect			380/416/440/480 VAC	
29			Block and Cross Bar Assembly – Emergency	53			Screw, Cap – Hex Head (5/16–18 x 1.00)
	306-4079-02	1	3-Pole		800-0028	1	4-Pole, Front Connect
	306-4080-02	1	4-Pole		800-0028	2	4-Pole, Rear Connect
30			Strap, Jumper	54	306-0268	2	Chute, Arc – 4-Pole
	337-2365	3	3-Pole, Front Connect	55	815-0527	4	Screw, Pan Head – Thread Cutting (#10–32 x .50) – 4-Pole
	337-2365	4	4-Pole, Front Connect				
	337-2414	3	3 and 4-Pole, Rear Connect				
31			Screw, Cap – Hex Head (5/16 x 1.25)	56	306-3576	2	Cover, Arc Chute – 4-Pole
	800-0030	4	3-Pole, Front Connect	57	306-2352	2	Insulator, Arc Chute – 4-Pole
	800-0030	3	4-Pole, Front Connect	58	306-3627	2	Spacer, Mounting Block – 4-Pole
32			Nut, Hex (1/4–20)	59	306-3578	2	Block and Contact Assembly – 4-Pole
	862-0001	12	3-Pole, Rear Connect	60	306-3601	2	Support, Channel – Rear
	862-0001	16	4-Pole, Rear Connect			Connect	
33			Nut, Hex (5/16–18)	61			Bus, Load
	862-0015	3	3-Pole, Front Connect		337-2403	3	3-Pole, Rear Connect
	862-0015	2	4-Pole, Front Connect		337-2403	4	4-Pole, Rear Connect
34	306-3482	1	Bar, Interlock				Bus, Normal and Emergency
35	306-0508	2	Arm, Interlock	62	337-2404	6	3-Pole, Rear Connect
36	815-0446	8	Screw, Cross-Recessed – Round Head – W/IT (#8–32 x .50)	63	337-2404	8	4-Pole, Rear Connect
							Screw, Cap – Hex Head
37			Lug, Solderless				(1/4–20 x 1.00)
	332-3038	12	150/225 Amp – Front Connect		800-0007	12	3-Pole, Rear Connect
	332-3039	12	260 Amp – Front Connect	64	800-0007	16	4-Pole, Rear Connect
38			Block and Cross Bar Assembly – Normal		851-0027	24	Washer, Spring – Conical (1/4)
	306-4079-01	1	3-Pole	65	851-0027	8	3-Pole, Rear Connect
	306-4080-01	1	4-Pole			4-Pole, Rear Connect	
39	306-1396	2	Plate, Handle Mounting		815-0261	6	Screw, Hex Washer Head – Thread Forming (1/4–20)
40	306-1842	2	Handle, Actuator (See Separate Page For Components)		815-0261	8	3-Pole, Rear Connect
					306-3573	1	4-Pole, Rear Connect
41	526-0077	2	Washer, Flat (5/16) – 3-Pole, Front Connect				Block, Lug Mounting – Front Connect (Not Illustrated)
42	853-0016	2	Washer, Lock – W/ET (5/16) – 3-Pole, Front Connect				Screw, Machine – Round Head
43	332-2744-05	2	Standoff, Insulator – 3-Pole, Front Connect	815-0656	2	(1/4–20 x 2.75) (Not Illustrated)	
44	337-2410-01	1	Strap, Load – Front Connect	815-0656	6	3-Pole, Front Connect	
45	337-2410-02	1	Strap, Load – Front Connect	815-0656	4	4-Pole, Front Connect	
46	337-2410-03	1	Strap, Load – Front Connect	815-0261	2	4-Pole, Rear Connect	
47	338-3792	1	Harness, Wiring				Screw, Thread Forming (1/4–20 x .50) – 3-Pole, Front
48	337-2366	1	Bar, Neutral (3-Pole, Front Connect)	815-0290	4	Connect (Not Illustrated)	
49	332-2542	1	Clamp, Cable				Screw, Thread Forming (1/4–20 x .62) – 4-Pole, Front
							Connect (Not Illustrated)

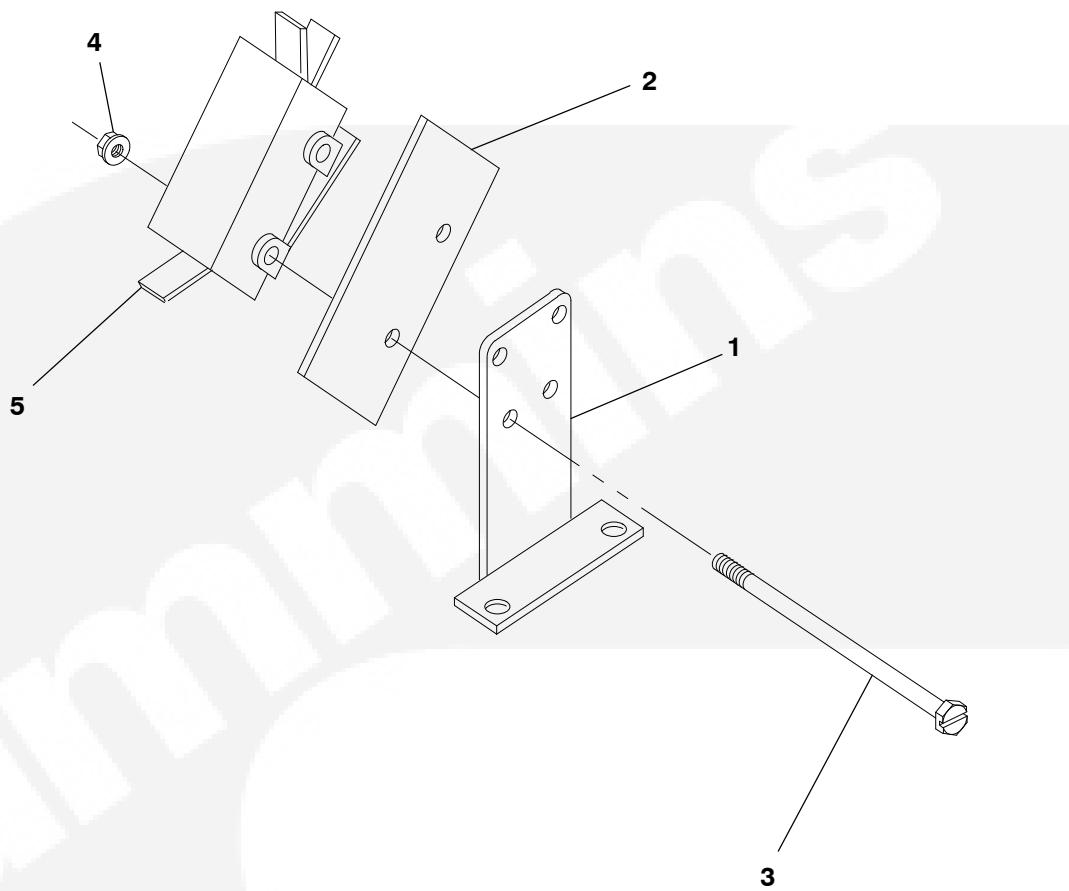
* Switch is actually 208 volts – A large transformer in the system reduces the 600 volt system voltage down to 208 volts.

Actuator Handle Assembly



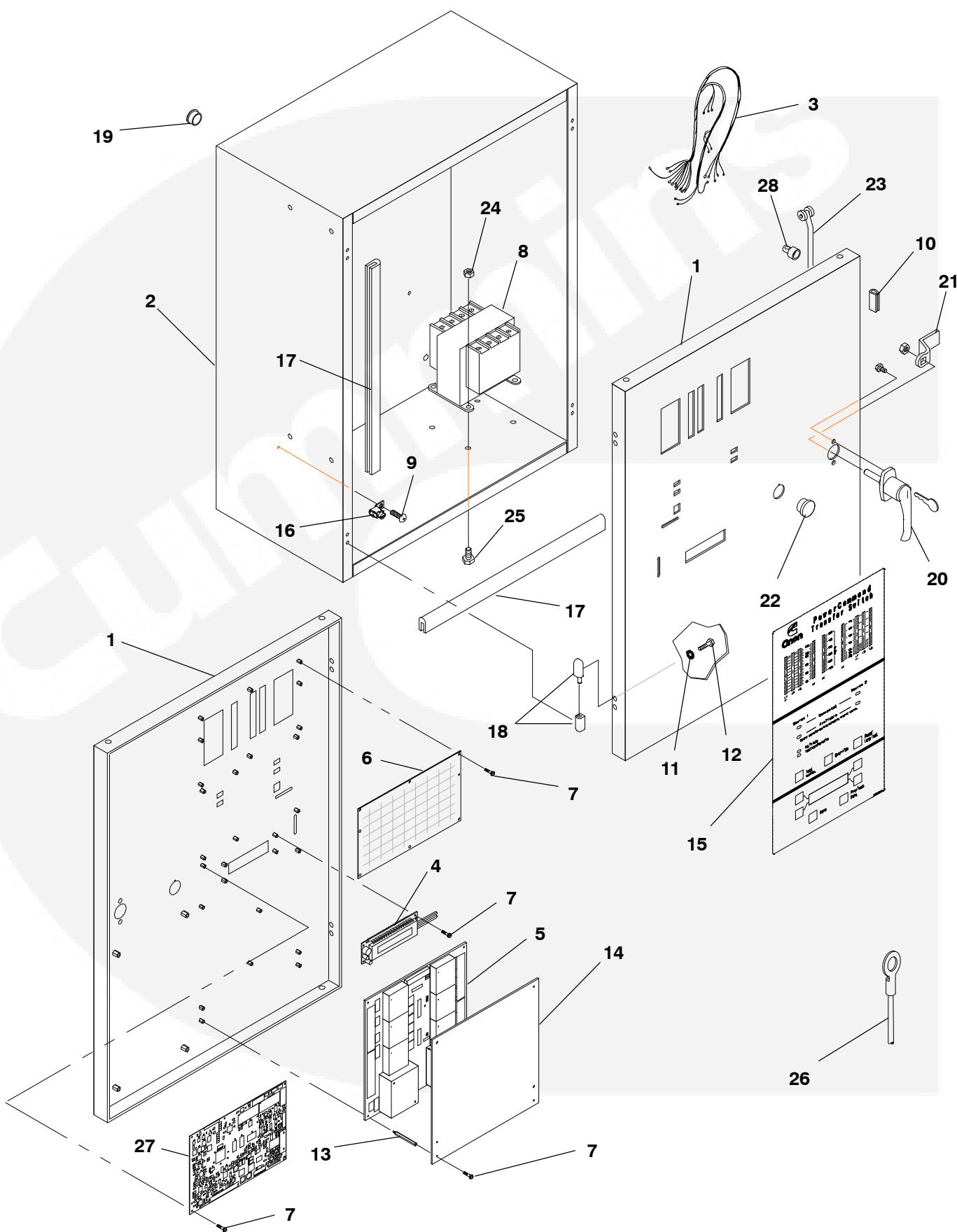
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-1842	2	Handle Assembly, Actuator	4	815-0933	1	Screw, Machine – Round Head – Cross Recessed (#10-32 x 1-3/4)
2	306-1382	1	Handle, Switch – Left Hand	5	870-0235	1	Nut, Self-Locking (#8-32)
3	306-1381	1	Handle, Switch – Right Hand	6	870-0298	1	Nut, Self-Locking (#10-32)
	815-0932	1	Screw, Machine – Round Head – Cross Recessed (#8-32 x 2-1/4)				

Auxiliary Switch Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3417	2	Switch Assembly, Auxiliary	4	870-0201	2	Nut, Lock (#6-32)
2	306-3420	2	Bracket, Switch - Auxiliary	5	309-0393	4	Switch, Snap-Action
3	306-3391	5	Barrier, Switch				
	815-0686	2	Screw, Cap - Hex Head (#6-32 x 3-1/4)				

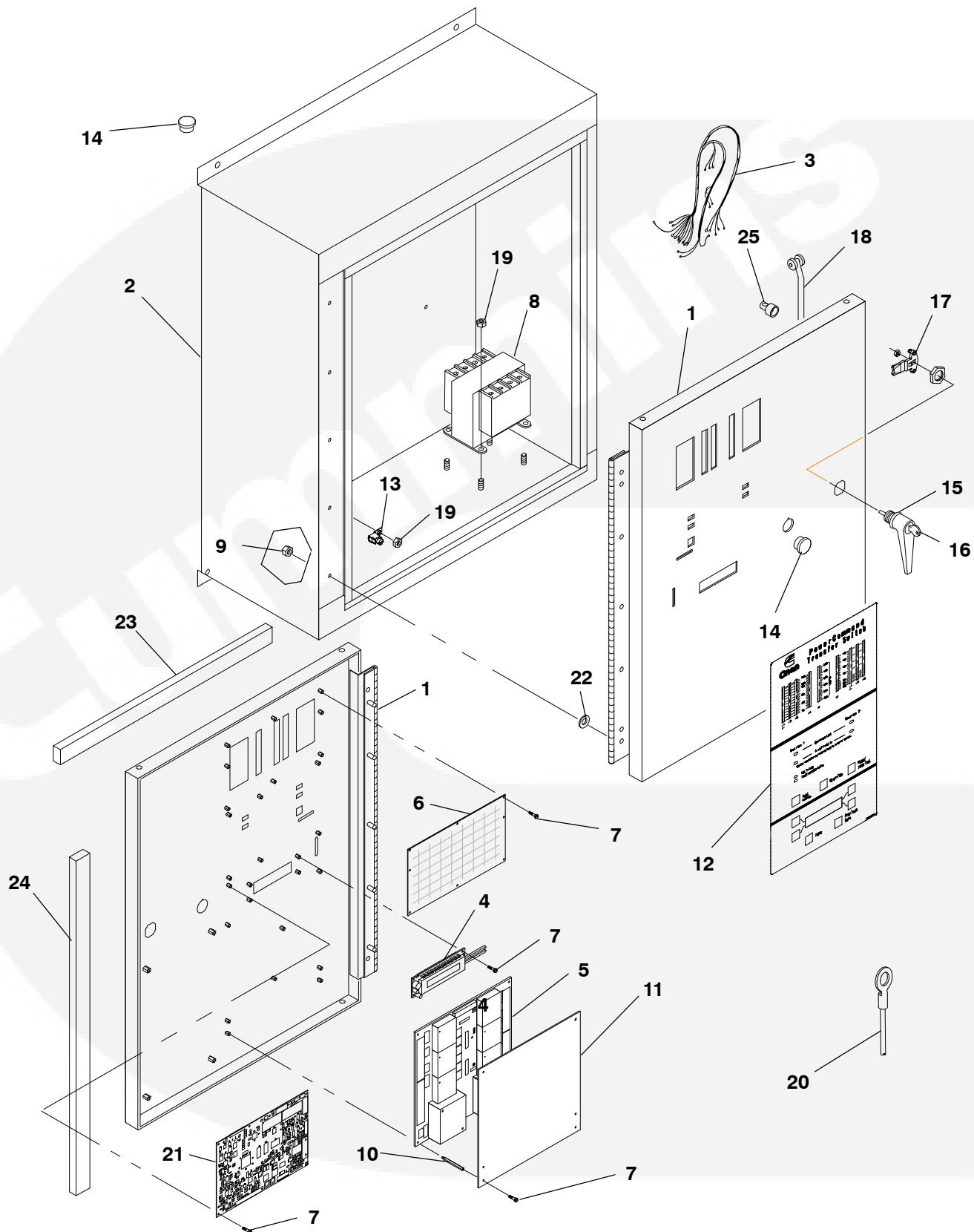
**Cabinet
Type 1**



**Cabinet
Type 1**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3865-02	1	Door, Cabinet 150/225 Amp	12			Screw, Cap – Hex Head (M5 x 8)
	319-3875-02	1	260 Amp		800-2000	8	150/225 Amp
2			Cabinet		800-2000	12	260 Amp
	319-3864-02	1	150/225 Amp	13	870-2216	4	Standoff, Male Snap
	319-3874-02	1	260 Amp	14	306-4523	1	Cover, Printed Circuit Board
3			Harness, Main	15			Membrane, Panel
			Level 1 Control				Level 1 Control
	338-3838-02	1	All Except 600 VAC		300-5185	1	Without Digital Display
	338-3851-02	1	600 VAC		300-5186	1	With Digital Display
			Level 2 Control				Level 2 Control
	338-3852-02	1	All Except 600 VAC		300-5186	1	Without Meters–Bar Graph
	338-3853-02	1	600 VAC		300-5271	1	Display
			Generator to Generator Applications				With Meters–Bar Graph
	338-3852-03	1	All Except 600 VAC	16	332-3647	1	Display
	338-3853-03	1	600 VAC	17	508-1045	2	Lug, Solderless (1/4")
4	300-5151	1	Module, Digital Display	18			Edge, Protection
5			Board, Printed Circuit – Power		406-0810	2	Block, Hinge
			Module		406-0810	3	150/225 Amp
			Level 1 Control	19	517-0135	4	260 Amp
	300-5148-01	1	120 VAC	20	406-0809	1	Plug, Hole
	300-5148-02	1	208/220/240/440/480 VAC	21			Handle, Locking (Includes Hardware and 2 Keys)
	300-5148-03	1	600 VAC		406-0933	1	Latch, Cam
	300-5148-04	1	190/380/416 VAC		406-0934	1	150/225 Amp (1 Point)
			Level 2 Control	22	517-0137	1	260 Amp (3 Point)
	300-5149-05	1	120 VAC	23	306-3979	2	Plug, Hole
	300-5149-06	1	208/220/240/440/480 VAC	24	870-0212	4	Rod, Roller (260 Amp)
	300-5149-07	1	600 VAC	25	800-0003	4	Nut, Self-Locking (1/4-20)
	300-5149-08	1	190/380/416 VAC	26			Screw, Cap – Hex Head
6	300-5180	1	Board, Printed Circuit – Bar Graph		226-3554-01	1	(1/4-20 x .50)
7	815-0959-03	26	Screw, Pan Head (M3 x 8)		226-3554-02	1	Lead (Quantity Used as Required)
8	315-0661	1	Transformer, Power (600 VAC Only)	27			6.0"
9	815-0261	1	Screw, Hex Washer Head – Thread Forming (1/4-20 x .50)	300-5146	1	3.0"	
				300-5147-01	1	Board, Printed Circuit – Digital	
10	508-1114	3	Edge, Protection	28	306-3467	2	Level 1 Control
11			Washer, Lock – W/ET (M5)				Level 2 Control
	853-2005	8	150/225 Amp				Guide, Rod (260 Amp)
	853-2005	12	260 Amp				

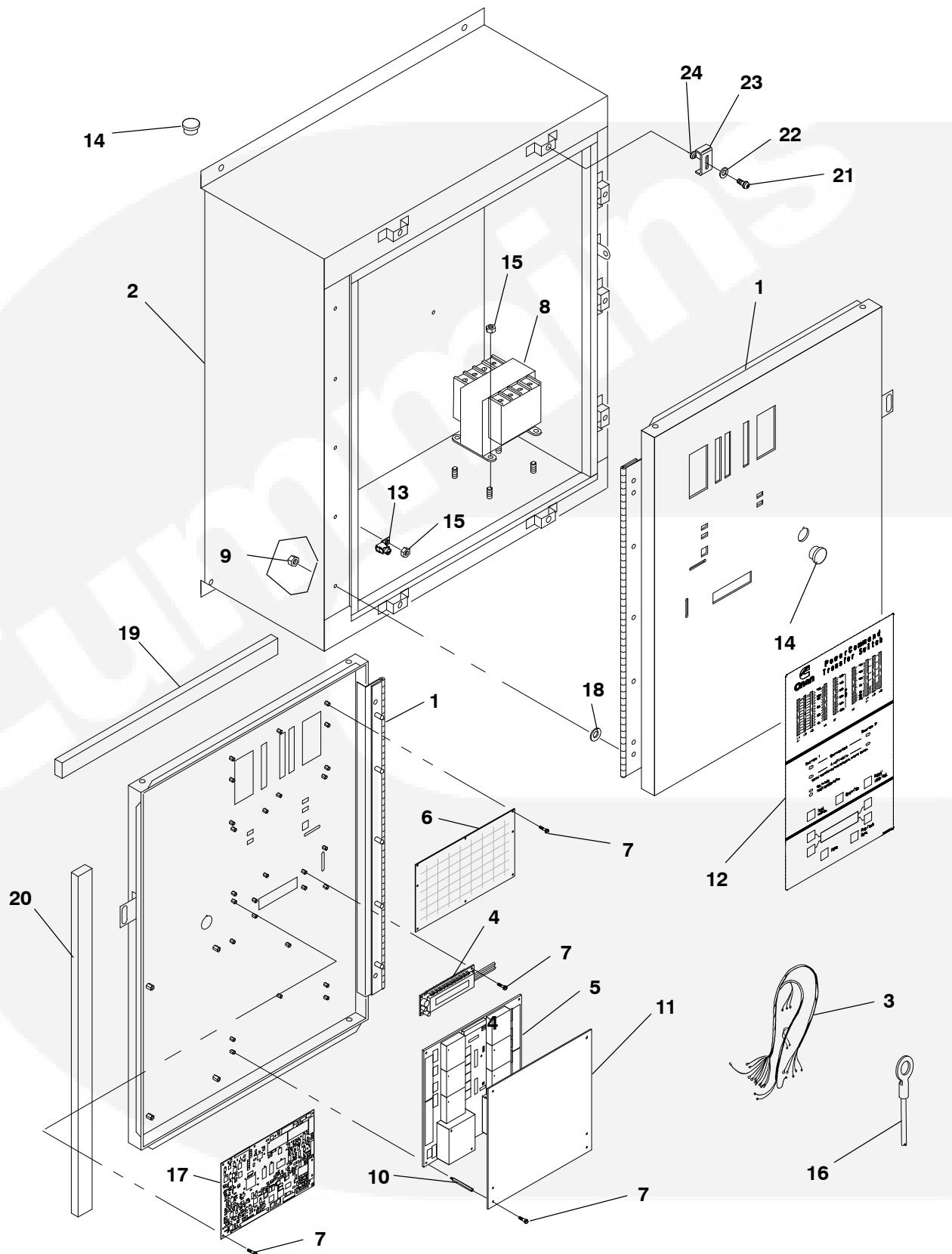
**Cabinet
Type 3R and 12**



Cabinet
Type 3R and 12

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3868-02	1	Door, Cabinet 150/225 Amp	8	315-0661	1	Transformer, Power (600 VAC Only)
	319-3878-02	1	260 Amp	9	870-0131	6	Nut, Hex - W/ET (10-32)
2			Cabinet Type 3R Cabinet 150/225 Amp	10	870-2216	4	Standoff, Male Snap
	319-3867-03	1	260 Amp	11	306-4523	1	Cover, Printed Circuit Board
	319-3877-03	1	Type 12 Cabinet 150/225 Amp	12			Membrane, Panel
	319-3867-04	1	260 Amp		300-5391	1	Level 1 Control Without Digital Display
	319-3877-04	1			300-5392	1	With Digital Display
3			Harness, Main Level 1 Control All Except 600 VAC		300-5392	1	Level 2 Control Without Meters-Bar Graph Display
	338-3838-02	1	600 VAC		300-5393	1	With Meters-Bar Graph Display
	338-3851-02	1	Level 2 Control All Except 600 VAC	13	332-3647	1	Lug, Solderless (1/4")
	338-3852-02	1	600 VAC	14	517-0266	5	Plug, Hole
	338-3853-02	1	Generator to Generator Applications All Except 600 VAC	15	406-0613	1	Handle, Door (Includes Key)
	338-3852-03	1	600 VAC	16	406-0649	1	Key, Replacement
	338-3853-03	1		17	306-3525	1	Latch, Cam (3 Point)
4	300-5151	1	Module, Digital Display	18			Rod, Roller
5			Board, Printed Circuit - Power Module	19	306-3526-01	2	150/225 Amp
			Level 1 Control 120 VAC	20	306-3526-02	2	260 Amp
	300-5148-01	1	208/220/240/440/480 VAC		870-0212	5	Nut, Self-Locking (1/4-20)
	300-5148-02	1					Lead (Quantity Used as Required)
	300-5148-03	1	600 VAC	21	226-3554-01	1	6.0"
	300-5148-04	1	190/380/416 VAC		226-3554-02	1	3.0"
	300-5149-05	1	Level 2 Control 120 VAC	22	300-5146	1	Board, Printed Circuit - Digital Level 1 Control
	300-5149-06	1	208/220/240/440/480 VAC	23	300-5147-01	1	Level 2 Control
	300-5149-07	1			508-0233	6	Washer, Rubber Gasket, Door
	300-5149-08	1	600 VAC	24	895-0293-03	2	150/225 Amp
6	300-5180	1	190/380/416 VAC		895-0293-05	2	260 Amp
			Board, Printed Circuit - Bar Graph	25	895-0293-04	2	Gasket, Door
			Screw, Pan Head (M3 x 8)		895-0293-06	2	150/225 Amp
7	815-0959-03	26			306-3467	2	260 Amp
							Guide, Rod

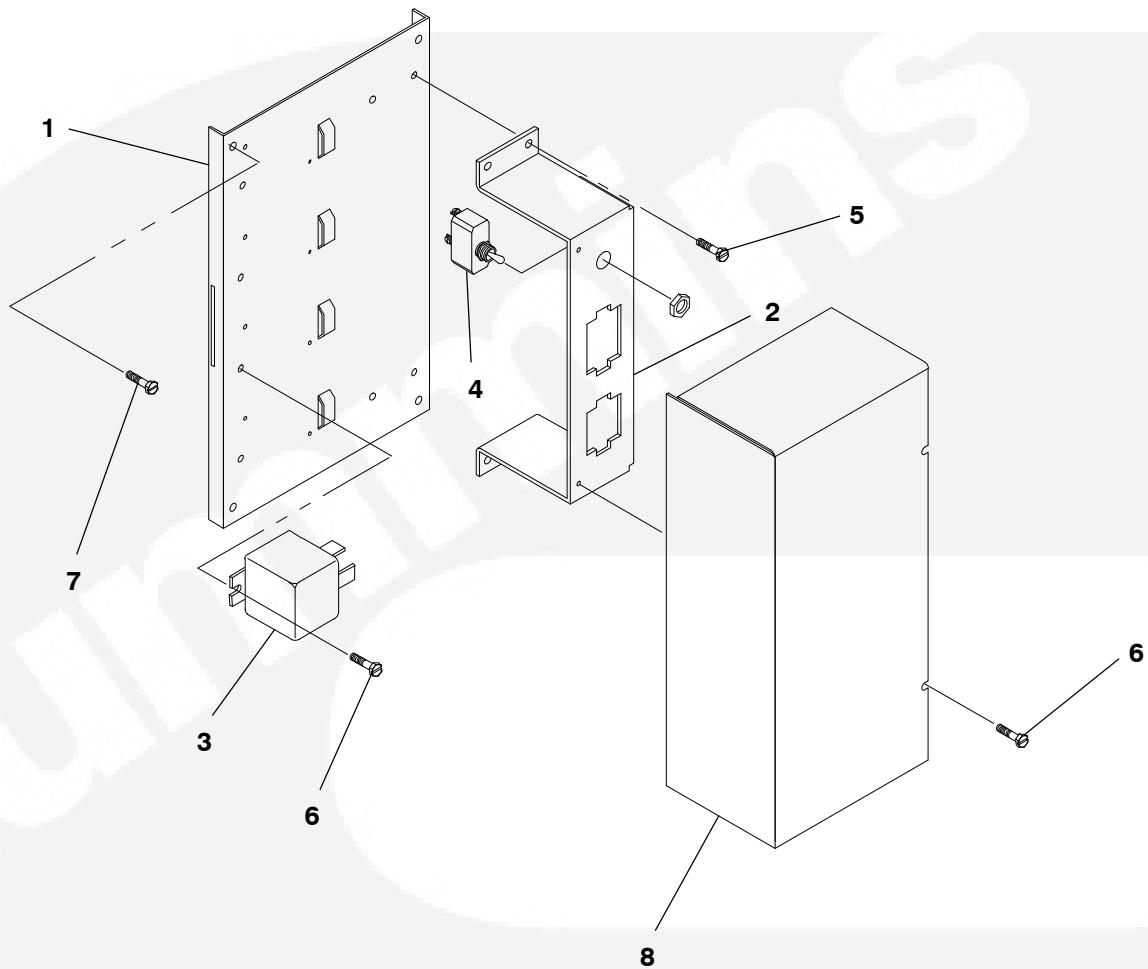
**Cabinet
Type 4**



**Cabinet
Type 4**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3871-02	1	Door, Cabinet	9	870-0131	6	Nut, Hex - W/ET (10-32)
	319-3881-02	1	150/225 Amp	10	870-2216	4	Standoff, Male Snap
			260 Amp	11	306-4523	1	Cover, Printed Circuit Board
2			Cabinet	12			Membrane, Panel
	319-3870-02	1	150/225 Amp		300-5391	1	Level 1 Control
	319-3880-02	1	260 Amp		300-5392	1	Without Digital Display
3			Harness, Main		300-5392	1	With Digital Display
			Level 1 Control		300-5393	1	Level 2 Control
	338-3838-02	1	All Except 600 VAC		300-5392	1	Without Meters-Bar Graph
	338-3851-02	1	600 VAC		300-5393	1	Display
			Level 2 Control				With Meters-Bar Graph
	338-3852-02	1	All Except 600 VAC		332-3647	1	Display
	338-3853-02	1	600 VAC		517-0266	5	Lug, Solderless (1/4")
			Generator to Generator Applications		870-0212	5	Plug, Hole
	338-3852-03	1	All Except 600 VAC				Nut, Self-Locking (1/4-20)
	338-3853-03	1	600 VAC				Lead (Quantity Used as Required)
4	300-5151	1	Module, Digital Display		226-3554-01	1	6.0"
5			Board, Printed Circuit – Power		226-3554-02	1	3.0"
			Module	17		1	Board, Printed Circuit – Digital
			Level 1 Control		300-5146	1	Level 1 Control
	300-5148-01	1	120 VAC		300-5147-01	1	Level 2 Control
	300-5148-02	1	208/220/240/440/480 VAC	18	508-0233	6	Washer, Rubber
	300-5148-03	1	600 VAC	19			Gasket, Door
	300-5148-04	1	190/380/416 VAC		895-0293-03	2	150/225 Amp
			Level 2 Control		895-0293-05	2	260 Amp
	300-5149-05	1	120 VAC	20			Gasket, Door
	300-5149-06	1	208/220/240/440/480 VAC		895-0293-04	2	150/225 Amp
	300-5149-07	1	600 VAC		895-0293-06	2	260 Amp
	300-5149-08	1	190/380/416 VAC	21	812-0177	7	Screw, Round Head (5/16-18 x .75)
6	300-5180	1	Board, Printed Circuit – Bar Graph	22	526-0022	7	Washer, Flat (5/16)
7	815-0959-03	26	Screw, Pan Head (M3 x 8)	23	301-6727	7	Bracket, Door
8	315-0661	1	Transformer, Power (600 VAC Only)	24	406-0519	7	Spring, Conical

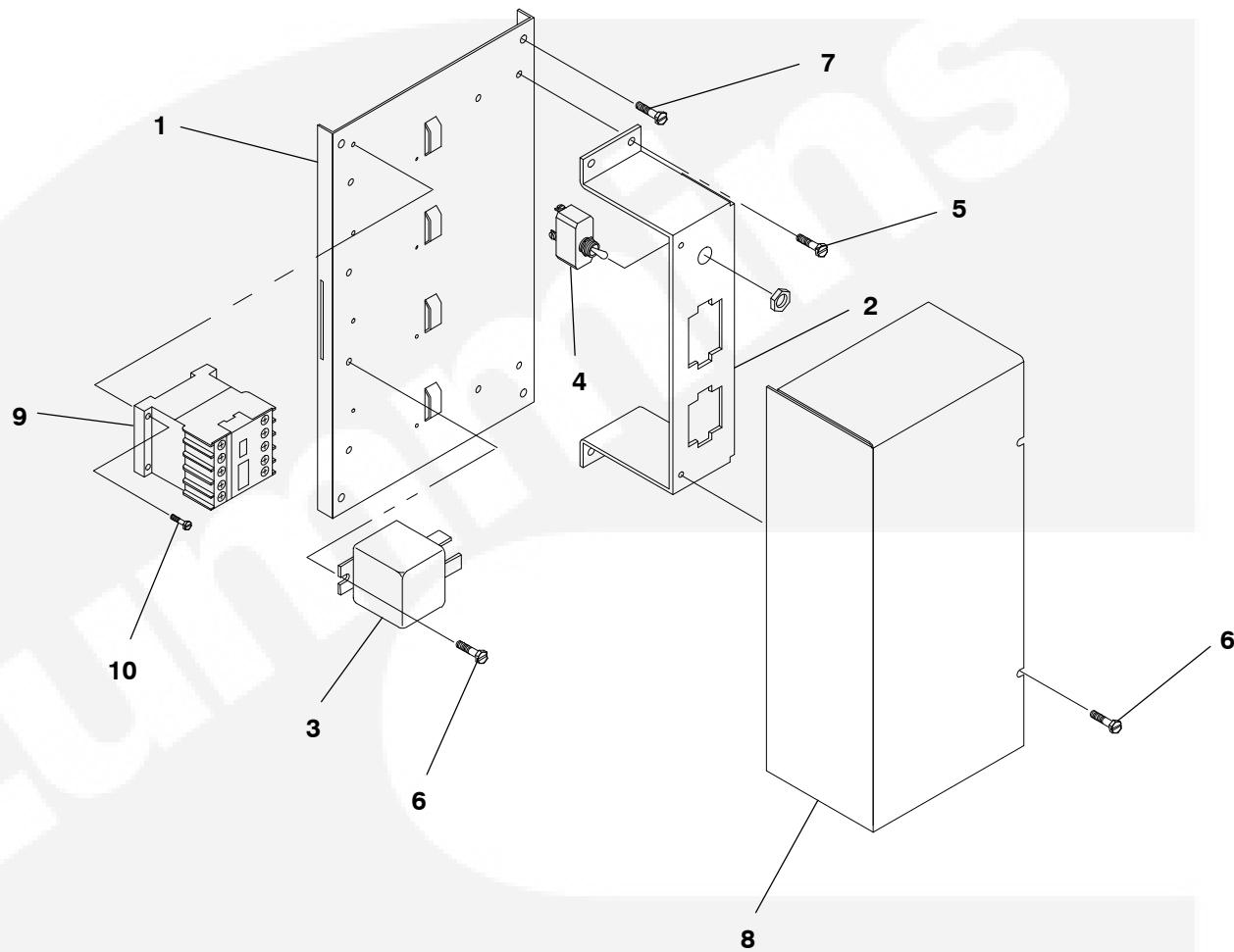
**Accessory Control Plate
(Less than 600 Volt)**



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3940-02	1	Plate, Relay	6	815-0792-02	5	Screw, Pan Head – Crossed Recessed (M4 x 8)
2	319-3941-02	1	Bracket, Connector	7	815-0960-04	4	Screw, Pan Head – Crossed Recessed (M4 x 12)
3	307-2929	3	Relay – 3PDT	8	319-3942-02	1	Cover, Relay Plate
4	308-0406	1	Switch, Toggle				
5	815-0955-03	4	Screw, Phillips/Hex Head – GND (M4 x 10)				

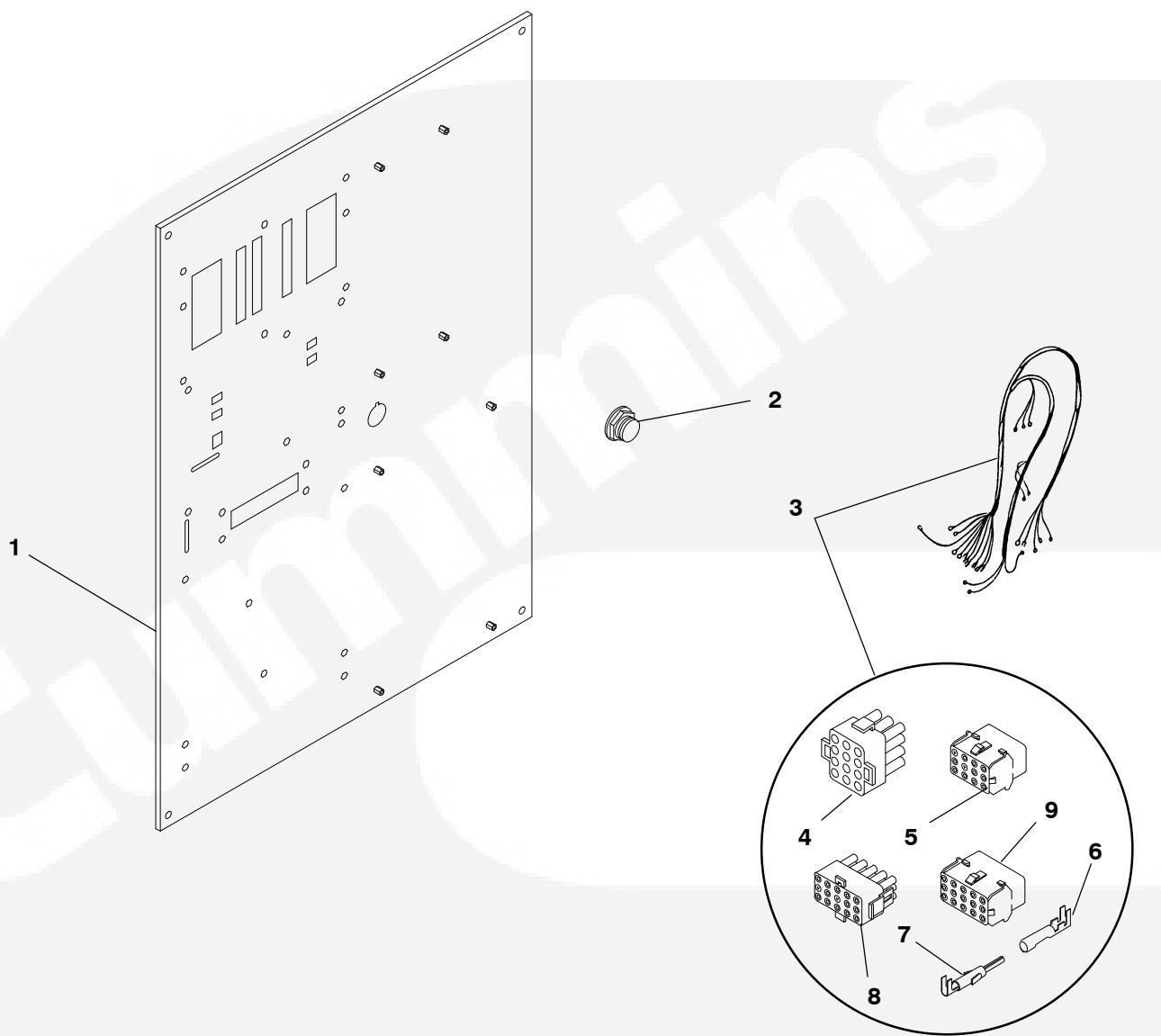
Accessory Control Plate (600 Volt)



R027

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3940-02	1	Plate, Relay	7	815-0960-04	4	Screw, Pan Head – Crossed Recessed (M4 x 12)
2	319-3941-02	1	Bracket, Connector	8	319-3942-02	1	Cover, Relay Plate
3	307-2929	1	Relay – 3PDT	9	307-2931	2	Relay, Control
4	308-0406	1	Switch, Toggle	10	815-0958-04	4	Screw, Pan Head – Cross Recessed (M3 x 12)
5	815-0955-03	4	Screw, Phillips/Hex Head – GND (M4 x 10)				
6	815-0792-02	3	Screw, Pan Head – Crossed Recessed (M4 x 8)				

**Plate and Wiring Harness
(Open Construction)**

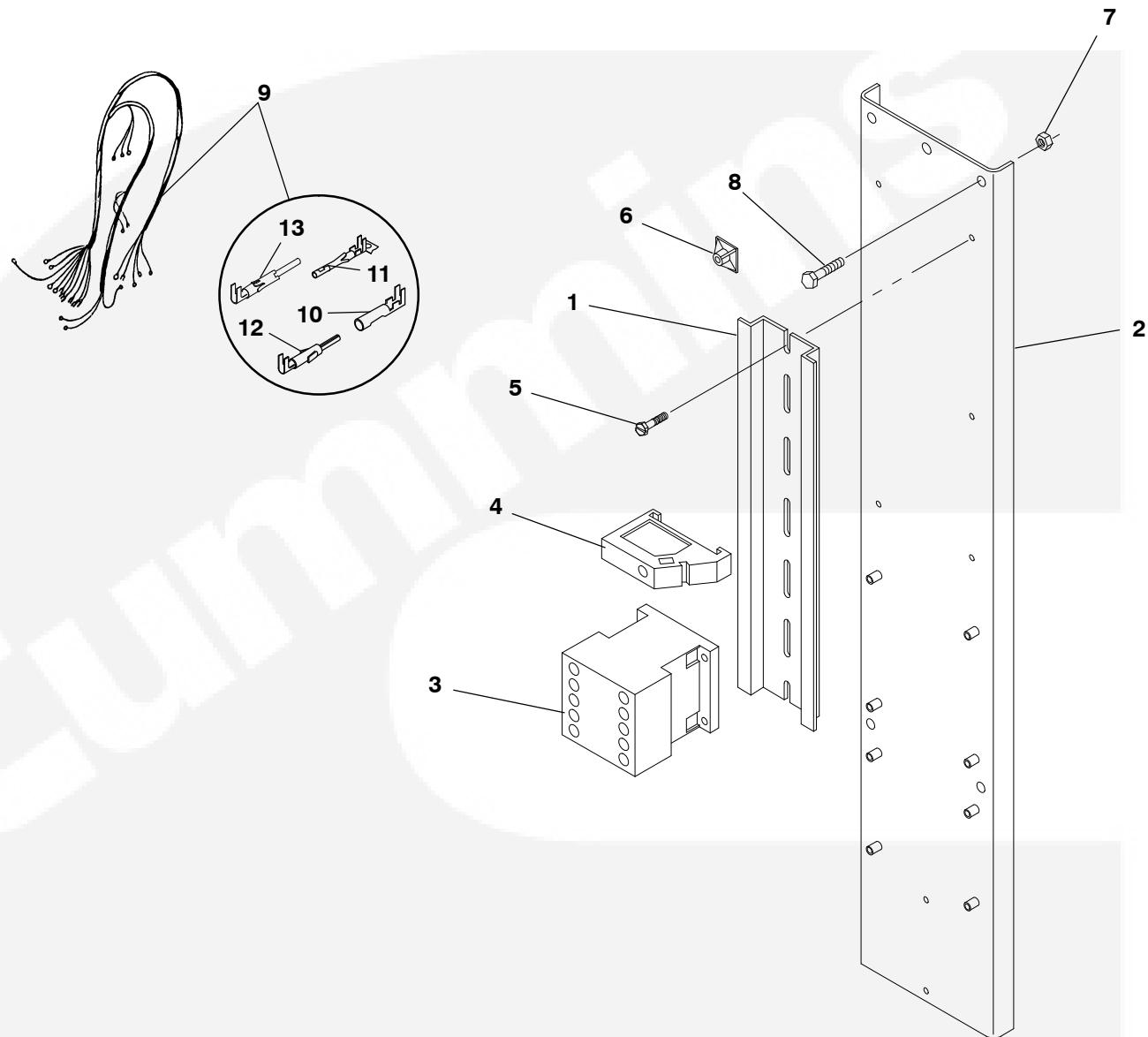


B004, N013

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4011-02	1	Plate, Open Construction	6			*# Socket, Contact
2	517-0266	1	Plug, Hole	323-1200		12	338-2219 Wiring Harness
3	338-2219	1	Harness, Control (Optional) With 12 Pin Connector (Includes Parts Marked *)	323-1200		15	338-2220 Wiring Harness
4	323-1314	1	* Plug, Connector (12 Pin) (P2)	7			*# Pin, Contact
5	323-1315	1	* Cap, Connector (12 Pin) (J2)	323-1199		12	338-2219 Wiring Harness
				323-1199		15	338-2220 Wiring Harness
				8	323-1252	1	# Plug, Connector (15 Pin) (P1)
				9	323-1253	1	# Cap, Connector (15 Pin) (J1)

* – Parts Included in 338-2219 Wiring Harness
 # – Parts Included in 338-2220 Wiring Harness

**Wiring Harness
Battery Charger
(Generator Set to Generator Set)**

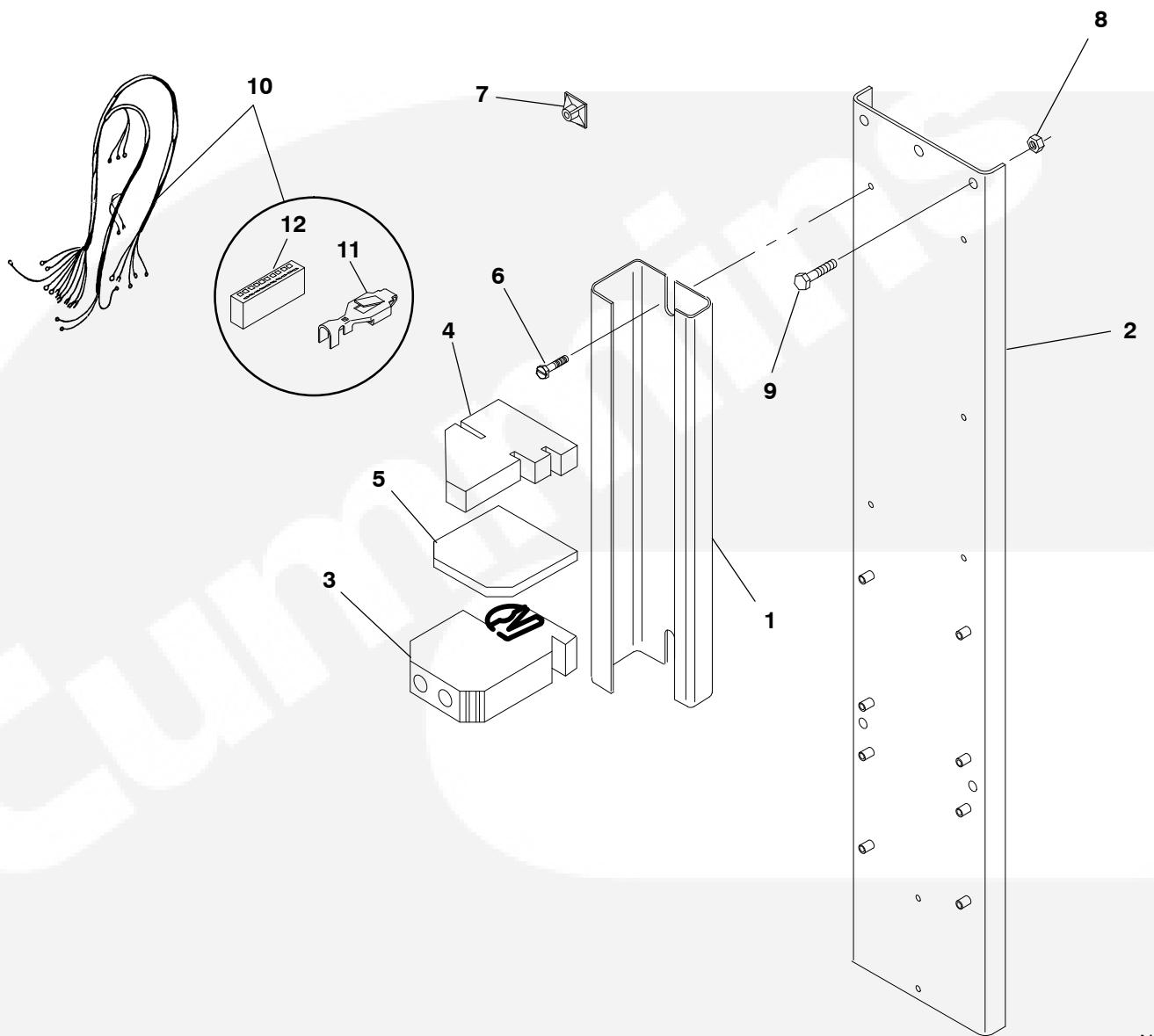


A037

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-04	1	Rail, Terminal	9	338-3836	1	Harness, Battery Charger (Includes Parts Marked *)
2	319-3943	1	Plate, Mounting	10	323-1200	2	* Socket, Contact
3	307-2873	1	Relay, Control (12 VDC)	11	332-3606	1	* Socket, Contact
4	332-2878	2	Bracket, End	12	323-1199	2	* Pin, Contact
5	815-0955-03	2	Screw, Phillips/Hex Head - GND (M4 x 10)	13	323-1703	2	* Pin, Contact
6	332-2420	2	Mount, Cable Tie				
7	870-0212	4	Nut, Self-Locking (1/4-20)				
8	800-0005	4	Screw, Cap - Hex Head (1/4-20 x .75)				

* – Parts Included in 338-3836 Wiring Harness

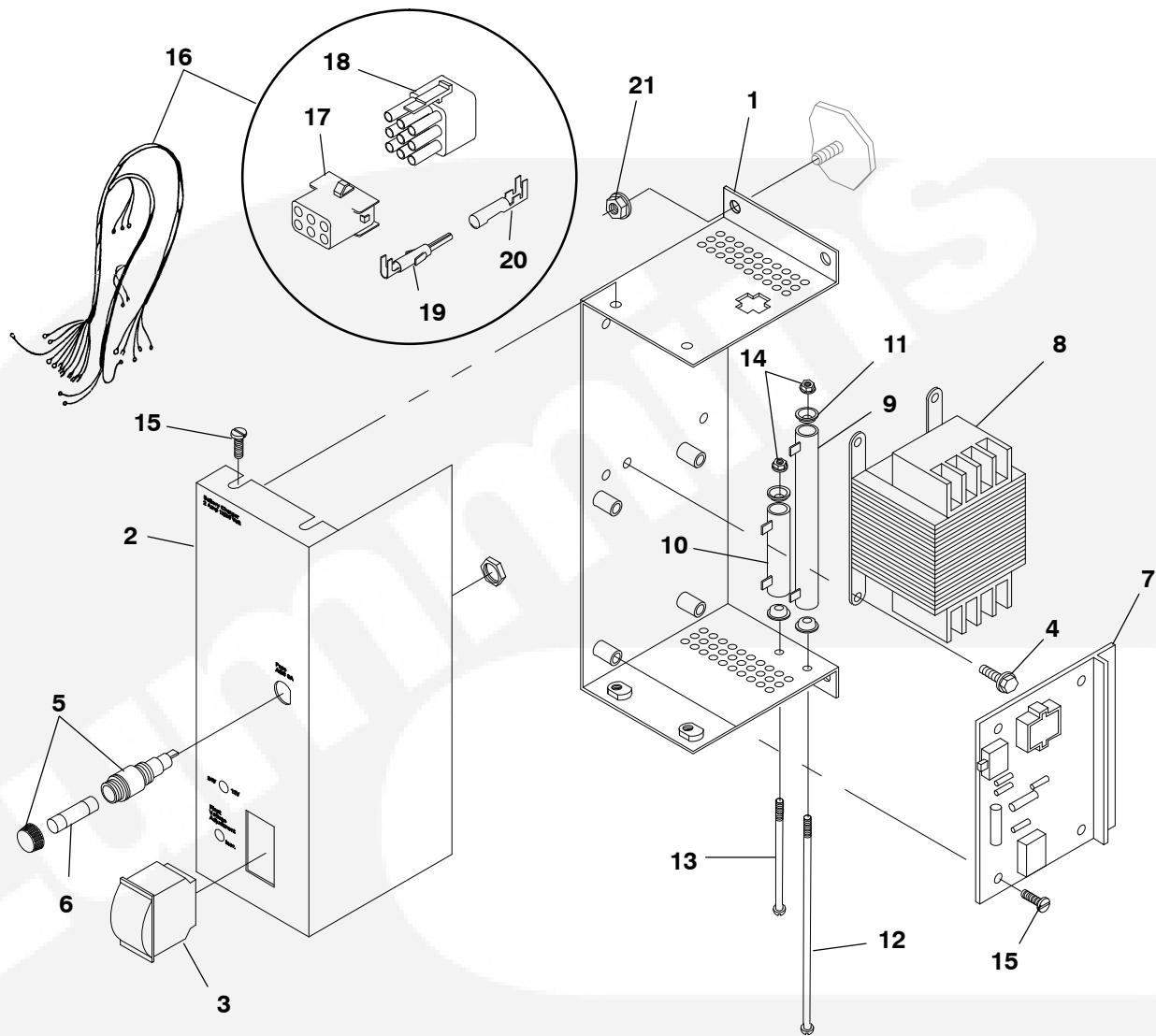
Battery Charger Alarm



N002

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-09	1	Rail, Terminal Block	9	800-0005	4	Screw, Cap - Hex Head (1/4-20 x .75)
2	319-3943	1	Plate, Mounting	10	338-2350	1	Harness, Alarm (Includes Parts Marked *)
3	332-2836-02	1	Block, Terminal (Sectional)	11	323-1302	9	* Pin, Contact (J2)
4	332-2839	2	Bracket, End - Terminal	12	323-1374-10	1	* Housing, Connector (10 Pin) (J2)
5	332-2841	1	Plate, End - Terminal	* - Parts Included in 338-2349 Wiring Harness			
6	815-0955-03	2	Screw, Phillips/Hex Head - GND (M4 x 10)				
7	332-2420	2	Mount, Cable Tie				
8	870-0212	4	Nut, Self-Locking (1/4-20)				

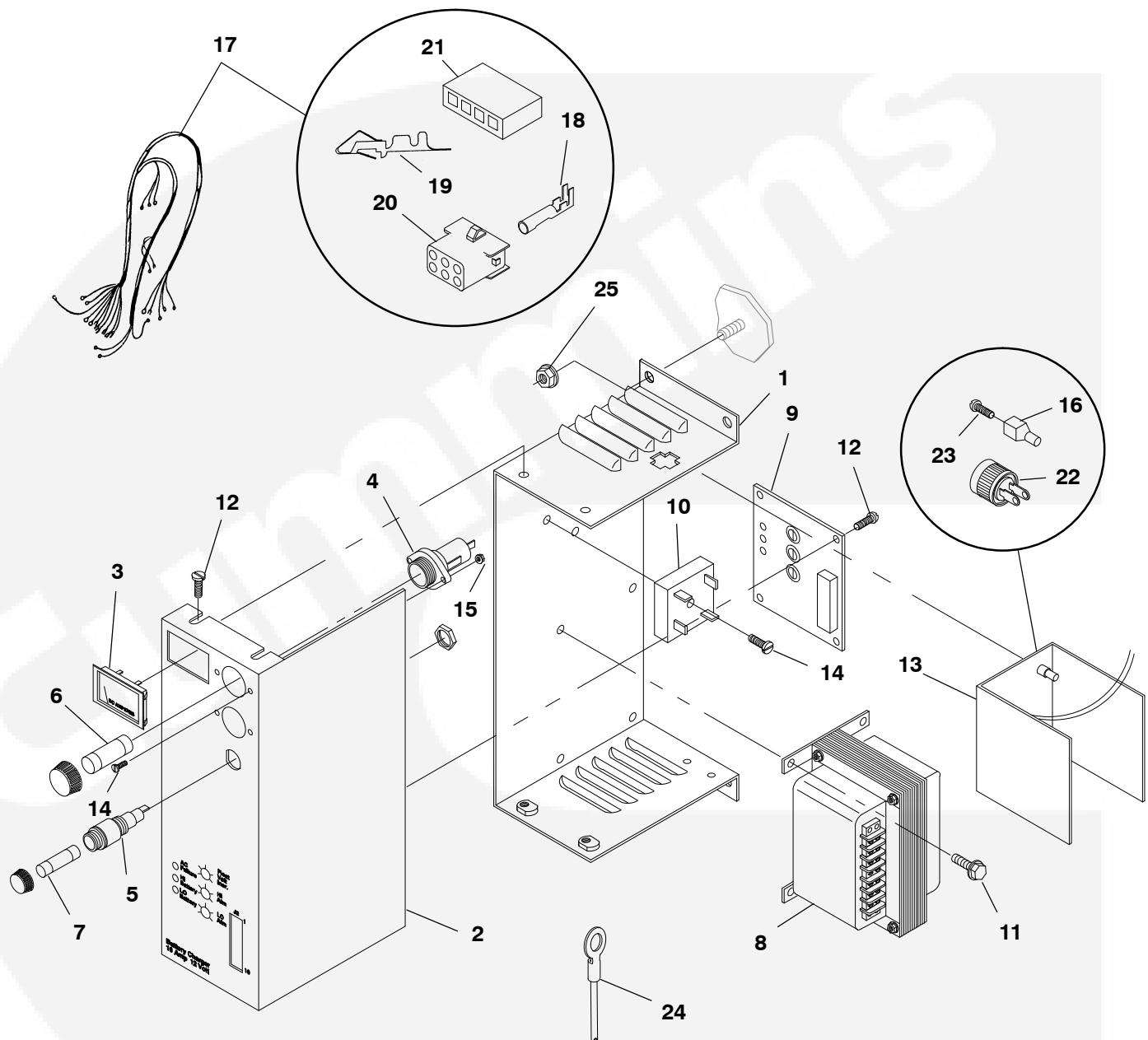
**Battery Charger
2 Amp, 12/24 Volt**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9990	1	Wrapper, Charger - Battery	13	813-0112	1	Screw, Machine - Round Head (#10-32 x 2-1/2)
2	301-9991	1	Cover, Charger - Battery	14	870-0131	2	Nut, Hex - W/ET (#10-32)
3	302-0807	1	Ammeter, DC	15	815-0845	8	Screw, Pan Head - W/ET (#6-32 x 3/8)
4	821-0040	4	Screw, Machine - Locking Head Slotted (#10-32 x 5/16)	16	338-2149	1	Harness, Wiring (Includes Parts Marked #)
5	321-0175	1	Holder, Fuse	17	323-1318	1	*Cap, 6 pin (J6)
6	321-0153	1	Fuse, 3 Amp	18	323-1291	1	*Plug, 9 pin (P9)
7	300-2946	1	Board, Printed Circuit	19	323-1199	A/R	*Pin, Terminal
8			Transformer	20	323-1200	A/R	*Socket, Terminal
	315-0621-01	1	120 Volt	21	862-0026-53	4	Nut, Hex - W/ET (M5)
	315-0621-02	1	208/240/480 Volt				
	315-0621-03	1	380/416 Volt				
	315-0621-04	1	600 Volt				
9	304-0037	1	Resistor, Fixed				
10	304-0139	1	Resistor, Fixed				
11	304-0015	4	Washer, Centering (7/32")				
12	813-0116	1	Screw, Machine - Round Head (#10-32 x 6-1/2)				

* - Parts Included in 338-2149 Wiring Harness

**Battery Charger
10 Amp, 12 Volt**

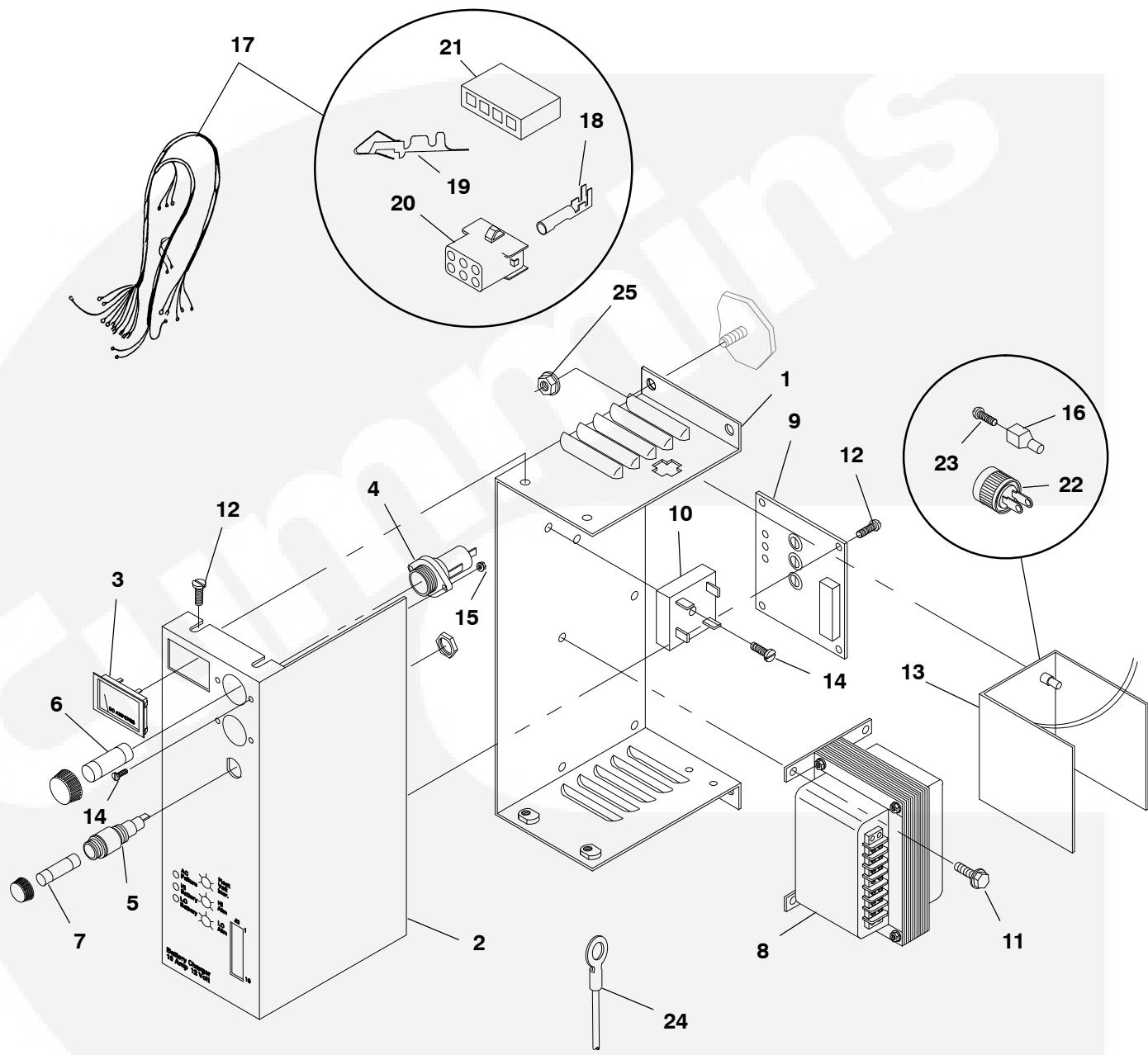


**Battery Charger
10 Amp, 12 Volt**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0072	1	Wrapper, Charger – Battery	9	300-3160	1	PCB, Charger – Battery
2	319-0073	1	Cover, Charger – Battery	10	305-0653	1	Rectifier, Bridge
3	302-1844	1	Ammeter, DC	11	821-0040	4	Screw, Machine – Locking Head (#10-32 x 5/16)
4	321-0237	2	Holder, Fuse (AC Input)	12	815-0845	8	Screw, Pan Head – W/ET (#6-32 x 3/8)
5	321-0104	1	Holder, Fuse (DC Output)				
6			Fuse				
			50 Hertz				
	321-0304-01	2	416/440 Volt	13	305-0781	1	Rectifier Assembly – SCR (12 Volt) (Includes Parts Marked *)
	321-0304-02	2	380 Volt				
	321-0304-03	2	240 Volt	14	815-0539	6	Screw, Pan Head – W/ET (#8-32 x 5/8)
	321-0304-04	2	220 Volt				
			60 Hertz				
	321-0304-01	2	480 Volt	15	870-0221	5	Nut, Hex – W/ET (#8-32)
	321-0304-02	2	380 Volt	16	870-0263	4	*Nut, Insulated (#8)
	321-0304-03	2	240 Volt	17	338-2223	1	Harness, Battery Charger (Includes Parts Marked #)
	321-0304-04	2	208 Volt	18	323-1200	A/R	#Socket, Terminal
	321-0304-05	2	120 Volt	19	323-1302	A/R	#Pin, Terminal
	321-0303-02	2	600 Volt	20	323-1318	1	#Cap, 6 pin
7	321-0127	1	Fuse (15 Amp)	21	323-1374-05	1	#Plug, 5 pin
8			Transformer	22	364-0003	1	*Rectifier, Gate (SCR)
			50 Hertz	23	809-0035	4	*Screw, Sheet Metal – Round Head (#8 x 3/4)
	315-0702	1	380 Volt				
	315-0704	1	220/416/440 Volt	24	226-3554-02	1	Lead (Quantity Used as Required)
	315-0712	1	240 Volt				
			60 Hertz	25	862-0026-53	4	Nut, Hex – W/ET (M5)
	315-0700	1	120/208/240 Volt				
	315-0706	1	380 Volt				
	315-0708	1	480 Volt				
	315-0710	1	600 Volt				

– Parts Included in 338-2223 Wiring Harness
 * – Parts Included in 305-0781 Rectifier Assembly

**Battery Charger
10 Amp, 24 Volt**

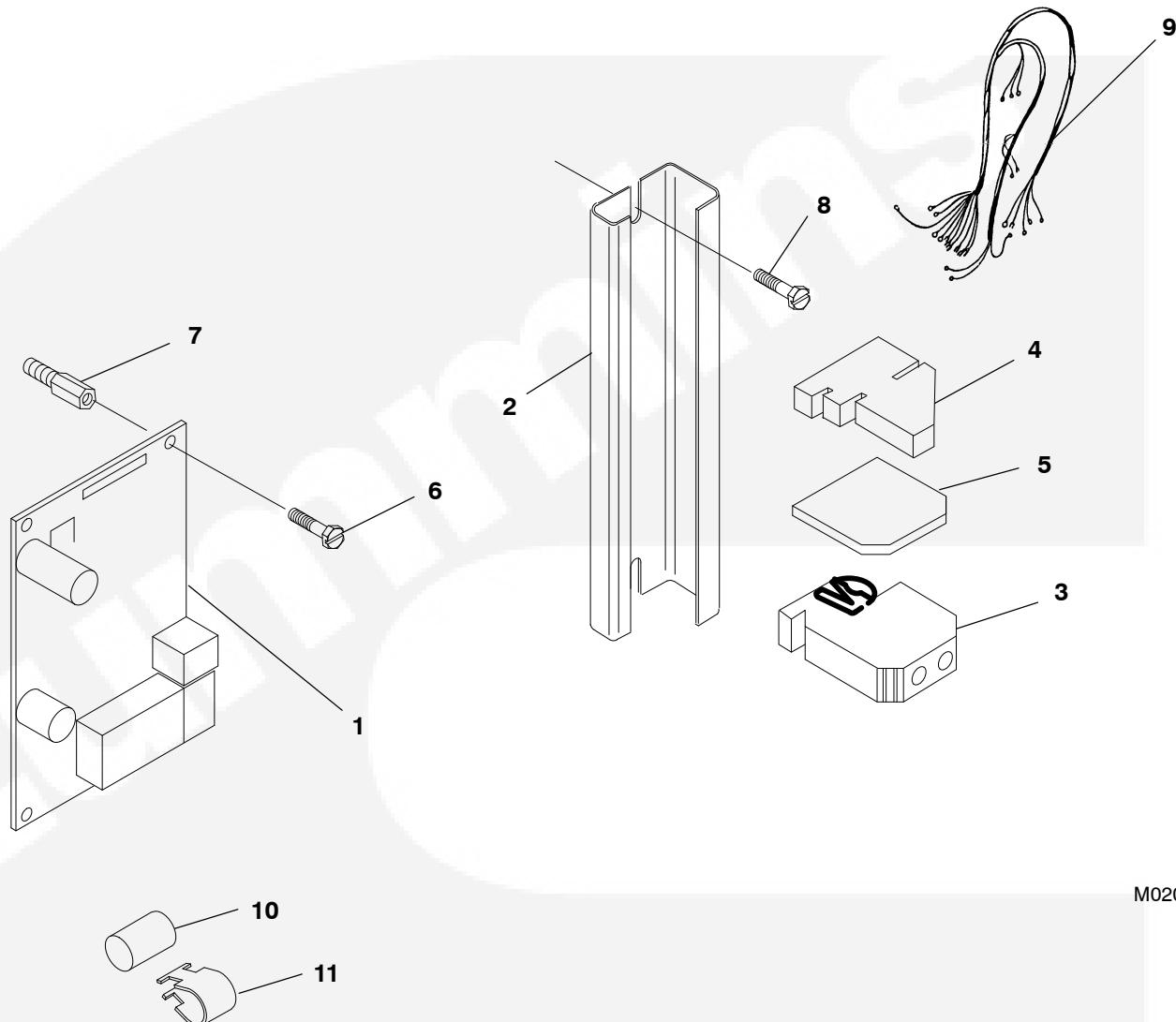


**Battery Charger
10 Amp, 24 Volt**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0072	1	Wrapper, Charger – Battery	9	300-3244	1	PCB, Charger – Battery
2	319-0073	1	Cover, Charger – Battery (Includes Silkscreen)	10	305-0653	1	Rectifier, Bridge
3	302-1844	1	Ammeter, DC	11	821-0040	4	Screw, Machine – Locking Head (#10-32 x 5/16)
4	321-0237	2	Holder, Fuse (AC Input)	12	815-0845	8	Screw, Pan Head – W/ET (#6-32 x 3/8)
5	321-0104	1	Holder, Fuse (DC Output)				Rectifier Assembly – SCR (12 Volt) (Includes Parts Marked *)
6			Fuse 50 Hertz				Screw, Pan Head – W/ET (#8-32 x 5/8)
	321-0304-04	2	380/416/440 Volt	14	815-0539	6	Nut, Hex – W/ET (#8-32)
	321-0304-05	2	240 Volt	15	870-0221	5	*Nut, Insulated (#8)
	321-0304-06	2	220 Volt	16	870-0263	4	Harness, Battery Charger (Includes Parts Marked #)
			60 Hertz	17	338-2223	1	#Socket, Terminal
	321-0303-02	2	600 Volt	18	323-1200	A/R	#Pin, Terminal
	321-0304-03	2	480 Volt	19	323-1302	A/R	#Cap, 6 pin
	321-0304-04	2	380 Volt	20	323-1318	1	#Plug, 5 pin
	321-0304-05	2	240 Volt	21	323-1374-05	1	*Rectifier, Gate (SCR)
	321-0304-06	2	120/208 Volt	22	364-0003	1	*Screw, Sheet Metal – Round Head (#8 x 3/4)
7	321-0127	1	Fuse (15 Amp)	23	809-0035	4	Lead (Quantity Used as Required)
8			Transformer 50 Hertz	24	226-3554-02	1	Nut, Hex – W/ET (M5)
	315-0705	1	220/416/440 Volt	25	862-0026-53	4	# – Parts Included in 338-2223 Wiring Harness
	315-0703	1	380 Volt				* – Parts Included in 305-0781 Rectifier Assembly
	315-0713	1	240 Volt				
			60 Hertz				
	315-0701	1	120/208/240 Volt				
	315-0707	1	380 Volt				
	315-0709	1	480 Volt				
	315-0711	1	600 Volt				



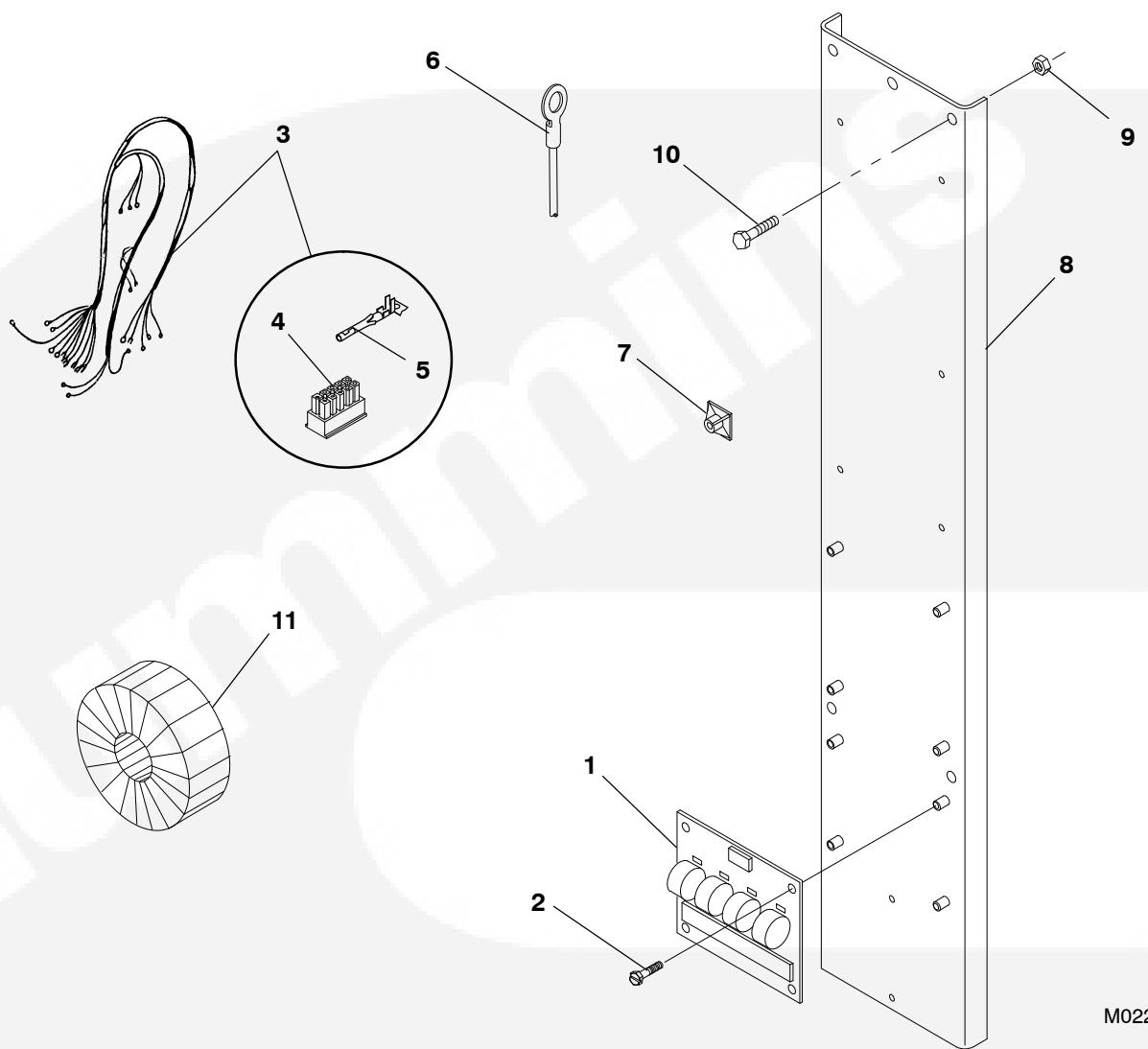
Network Module



M020

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	327-1542	1	Board, Printed Circuit – Network Module	7	870-2213-02	4	Standoff, Hex Thread (M3)
2	332-2837-09	1	Rail, Terminal Block	8	815-0955-03	2	Screw, Phillips/Hex Head – GND (M4 x 10)
3	332-2836-01	2	Block, Terminal (Sectional)	9	338-3886	1	Harness, Network
4	332-2839	2	Bracket, End – Terminal	10		2	Battery – Lithium (3.0V) (Purchase Locally)
5	332-2841	1	Plate, End – Terminal	11	416-1049	2	Clip, Battery
6	815-0959-03	4	Screw, Pan Head (M3 x 0.5 x 8)				

Current Transformer Module

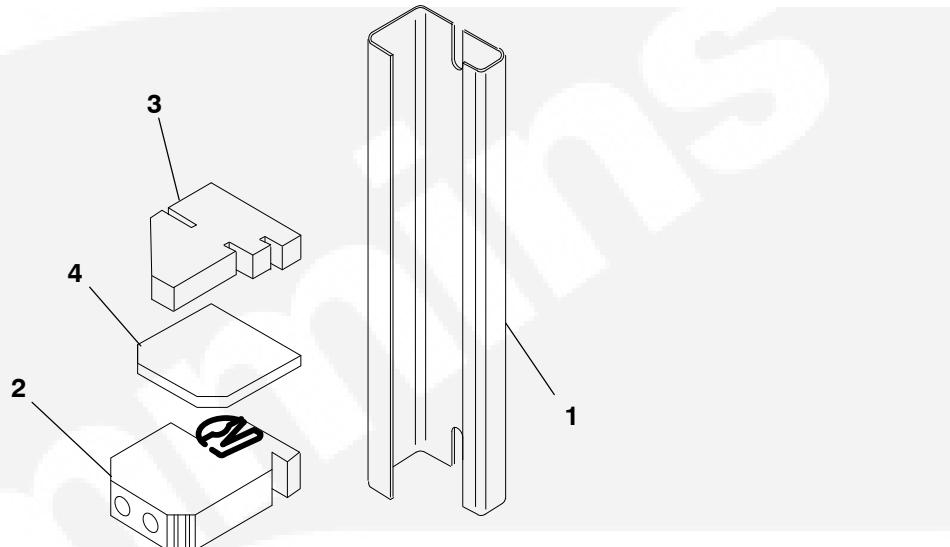


M022

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5254	1	Board, Printed Circuit – Current Module	11			Transformer, Current 150 Amp 120 VAC 1 Phase, 2 or 3 Wire 3 Phase, 3 or 4 Wire
2	815-0959-03	4	Screw, Pan Head (M3 x 8)	302-1811		2	225 Amp 120 VAC 1 Phase, 2 or 3 Wire 3 Phase, 3 or 4 Wire
3	338-3884-01	1	Harness, Current Module (Includes Parts Marked *)	302-1811		3	260 Amp 120 VAC 1 Phase, 2 or 3 Wire 3 Phase, 3 or 4 Wire
4	323-1806-05	2	* Connector, Receptacle (10 Pin)	302-0209		2	
5	332-3606	20	* Socket, Contact	302-0209		3	
6	226-4794-03	1	Lead	302-0209		4	
	226-4794-04	4	15" (Marked J40-14, GND) 3" (No Markings)	302-0209			
7	332-2420	2	Mount, Cable Tie	302-1393		2	
8	319-3943	1	Plate, Mounting	302-1393		3	
9	870-0212	4	Nut, Self-Locking (1/4-20)	302-1393		4	
10	800-0005	4	Screw, Cap – Hex Head (1/4-20 x .75)				

* – Parts Included in 338-3884-01 Wiring Harness

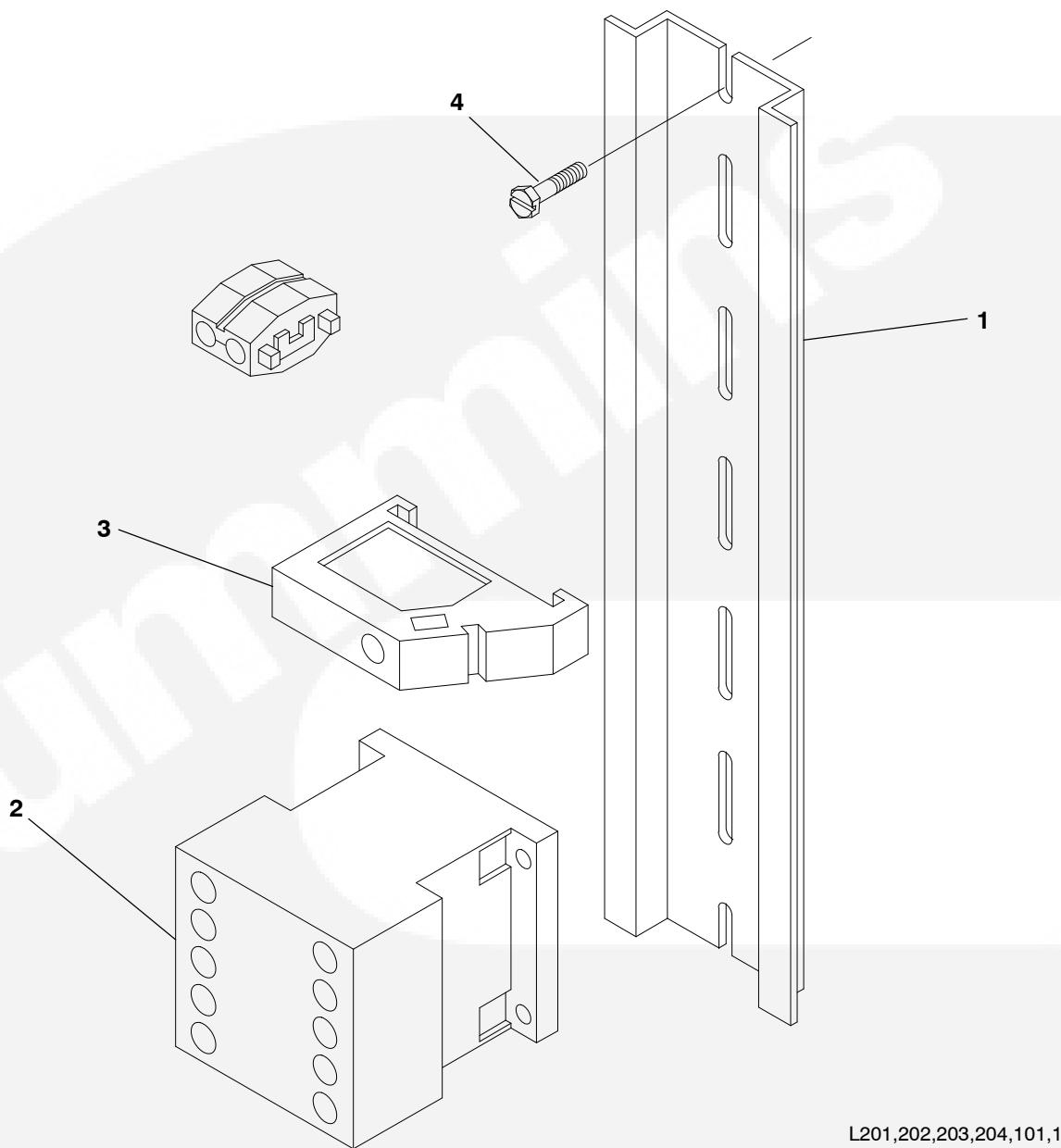
Terminal Block



A037,K001,K002,K003

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-09	1	Rail, Terminal Block	3	332-2839	2	Bracket, End – Terminal
2	332-2836-02	3	Block, Terminal (Sectional)	4	332-2841	1	Plate, End – Terminal

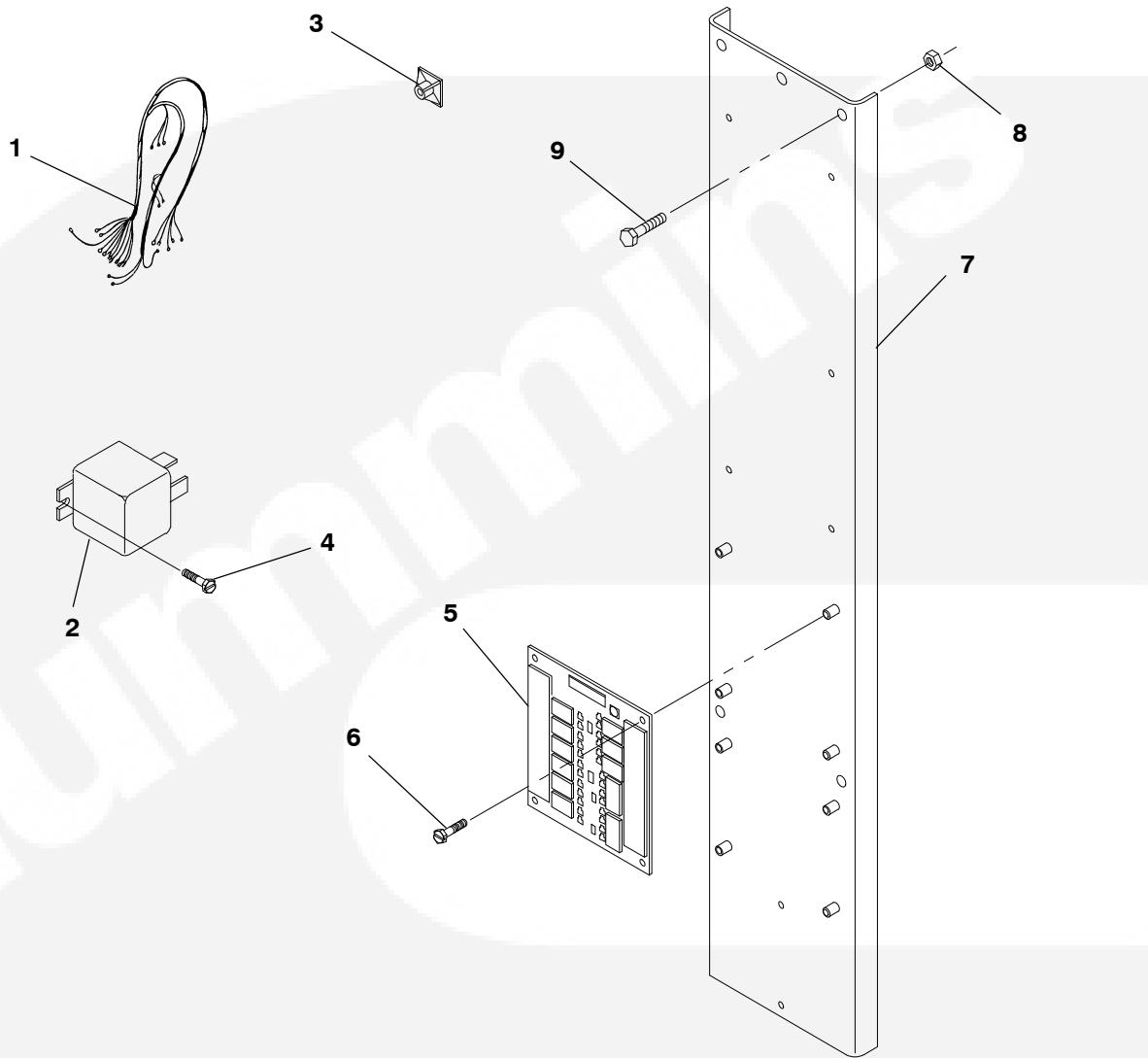
Auxiliary Relay



L201,202,203,204,101,102,103,104

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-02	1	Rail, Terminal	3	332-2878	2	Bracket, End
2	307-2873	1	Relay, Control	4	815-0955-03	2	Screw, Phillips/Hex Head – GND (M4 x 10)
	307-2874	1	12 VDC				24 VDC

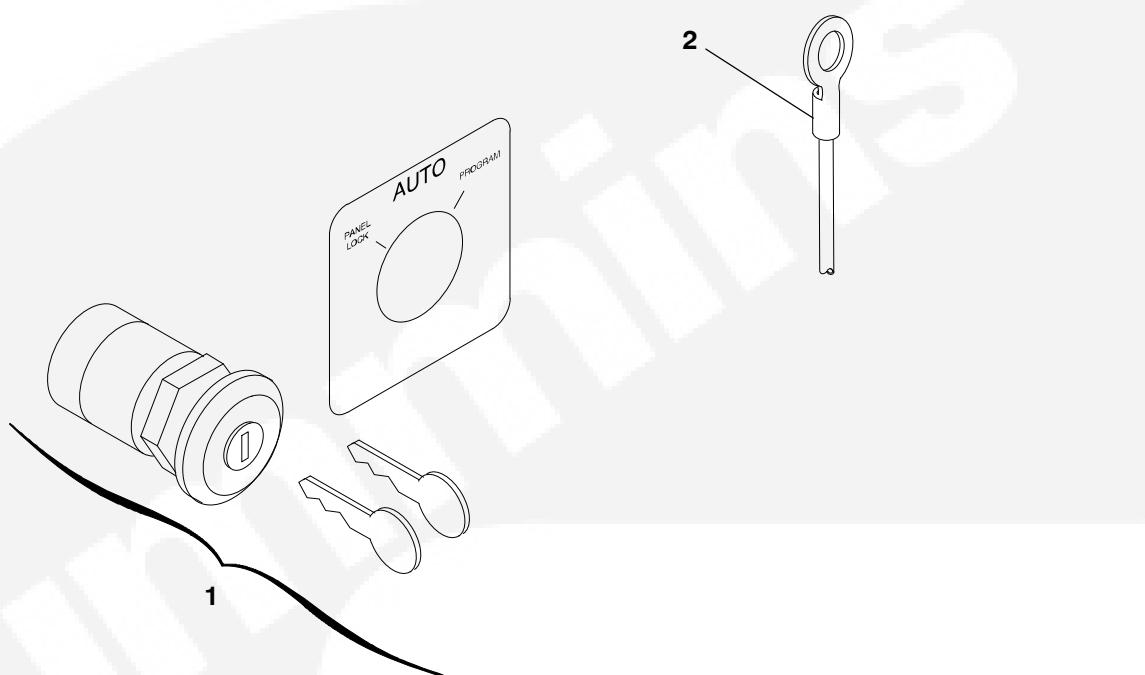
Load Shed



M007,R027

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3876-01	1	Harness, Load Shed All Except 600 Volt	6	815-0959-03	4	Screw, Pan Head (M3 x 8)
	338-3876-02	1	600 Volt	7	319-3943	1	Plate, Mounting
2	307-2929	1	Relay - 3PDT (12 VDC)	8	870-0212	4	Nut, Self-Locking (1/4-20)
3	332-2420	2	Mount, Cable Tie	9	800-0005	4	Screw, Cap - Hex Head (1/4-20 x .75)
4	815-0792-02	1	Screw, Pan Head (M4 x 8)				
5	300-5152	1	Board, Printed Circuit - Relay Module				

Front Panel Security



M017

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-1094	1	Switch, Selector	2	226-4794-01 226-4794-02	1 1	Lead 14" (Marked S20-2 - J27-5) 16" (Marked S20-2 - J27-11)



®

Numerical Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
226-3380, 9		305-0781, 27 , 29		306-4404-05, 9		306-4407-08, 9	
226-3554-01, 15 , 17 , 19		306-0268, 11		306-4404-06, 9		306-4407-09, 9	
226-3554-02, 15 , 17 , 19 , 27 , 29		306-0508, 11		306-4404-07, 9		306-4407-10, 9	
226-4794-01, 35		306-1381, 12		306-4404-08, 9		306-4407-12, 9	
226-4794-02, 35		306-1382, 12		306-4404-09, 9		306-4407-13, 9	
226-4794-03, 31		306-1396, 11		306-4404-10, 9		306-4407-14, 9	
226-4794-04, 31		306-1842, 11 , 12		306-4404-11, 9		306-4407-15, 9	
300-2946, 25		306-2340, 9		306-4404-12, 9		306-4523, 15 , 17 , 19	
300-3160, 27		306-2352, 11		306-4404-13, 9		307-2873, 23 , 33	
300-3244, 29		306-3391, 13		306-4404-14, 9		307-2874, 33	
300-5146, 15 , 17 , 19		306-3400-02, 9		306-4404-15, 9		307-2929, 20 , 21 , 34	
300-5147-01, 15 , 17 , 19		306-3417, 11 , 13		306-4405-02, 9		307-2931, 21	
300-5148-01, 15 , 17 , 19		306-3418, 9		306-4405-03, 9		308-0406, 20 , 21	
300-5148-02, 15 , 17 , 19		306-3420, 13		306-4405-04, 9		308-1094, 35	
300-5148-03, 15 , 17 , 19		306-3467, 15 , 17		306-4405-05, 9		309-0393, 13	
300-5148-04, 15 , 17 , 19		306-3471-01, 11		306-4405-07, 9		312-0203, 11	
300-5149-05, 15 , 17 , 19		306-3471-02, 11		306-4405-08, 9		312-0204, 11	
300-5149-06, 15 , 17 , 19		306-3471-03, 11		306-4405-09, 9		312-0209, 11	
300-5149-07, 15 , 17 , 19		306-3471-05, 11		306-4405-10, 9		315-0621-01, 25	
300-5149-08, 15 , 17 , 19		306-3471-06, 11		306-4405-12, 9		315-0621-02, 25	
300-5151, 15 , 17 , 19		306-3473, 9		306-4405-13, 9		315-0621-03, 25	
300-5152, 34		306-3482, 11		306-4405-14, 9		315-0621-04, 25	
300-5180, 15 , 17 , 19		306-3483, 9		306-4405-15, 9		315-0661, 15 , 17 , 19	
300-5185, 15		306-3525, 17		306-4406-01, 9		315-0700, 27	
300-5186, 15		306-3526-01, 17		306-4406-02, 9		315-0701, 29	
300-5254, 31		306-3526-02, 17		306-4406-03, 9		315-0702, 27	
300-5271, 15		306-3573, 11		306-4406-04, 9		315-0703, 29	
300-5391, 17 , 19		306-3574, 9		306-4406-05, 9		315-0704, 27	
300-5392, 17 , 19		306-3575, 11		306-4406-06, 9		315-0705, 29	
300-5393, 17 , 19		306-3576, 11		306-4406-07, 9		315-0706, 27	
301-6727, 19		306-3578, 11		306-4406-08, 9		315-0707, 29	
301-9990, 25		306-3601, 11		306-4406-09, 9		315-0708, 27	
301-9991, 25		306-3627, 11		306-4406-10, 9		315-0709, 29	
302-0209, 31		306-3979, 15		306-4406-11, 9		315-0710, 27	
302-0807, 25		306-4079-01, 11		306-4406-12, 9		315-0711, 29	
302-1393, 31		306-4079-02, 11		306-4406-13, 9		315-0712, 27	
302-1811, 31		306-4080-01, 11		306-4406-14, 9		315-0713, 29	
302-1844, 27 , 29		306-4080-02, 11		306-4406-15, 9		319-0072, 27 , 29	
304-0015, 25		306-4269, 9		306-4407-02, 9		319-0073, 27 , 29	
304-0037, 25		306-4404-01, 9		306-4407-03, 9		319-3864-02, 15	
304-0139, 25		306-4404-02, 9		306-4407-04, 9		319-3865-02, 15	
305-0653, 27 , 29		306-4404-03, 9		306-4407-05, 9		319-3867-03, 17	
		306-4404-04, 9		306-4407-07, 9		319-3867-04, 17	

Numerical Index

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
319-3868-02, 17		323-1374-10, 24		338-3853-02, 15 , 17 , 19		815-0446, 11	
319-3870-02, 19		323-1703, 23		338-3853-03, 15 , 17 , 19		815-0527, 11	
319-3871-02, 19		323-1806-05, 31		338-3876-01, 34		815-0539, 27 , 29	
319-3874-02, 15		327-1542, 30		338-3876-02, 34		815-0651, 9	
319-3875-02, 15		332-2420, 23 , 24 , 31 , 34		338-3884-01, 31		815-0652, 9	
319-3877-03, 17		332-2542, 11		338-3886, 30		815-0656, 11	
319-3877-04, 17		332-2605, 9		364-0003, 27 , 29		815-0667, 11	
319-3878-02, 17		332-2744-05, 11		406-0519, 19		815-0686, 13	
319-3880-02, 19		332-2832, 9		406-0613, 17		815-0792-02, 20 , 21 , 34	
319-3881-02, 19		332-2836-01, 30		406-0649, 17		815-0845, 25 , 27 , 29	
319-3940-02, 20 , 21		332-2836-02, 24 , 32		406-0809, 15		815-0932, 12	
319-3941-02, 20 , 21		332-2837-09, 24 , 30 , 32		406-0810, 15		815-0933, 12	
319-3942-02, 20 , 21		332-2839, 24 , 30 , 32		406-0933, 15		815-0955-03, 20 , 21 , 23 , 24 , 30 , 33	
319-3943, 23 , 24 , 31 , 34		332-2841, 24 , 30 , 32		406-0934, 15		815-0958-04, 21	
319-4011-02, 22		332-2878, 23 , 33		416-1049, 30		815-0959-03, 15 , 17 , 19 , 30 , 31 , 34	
320-0606, 11		332-2879-02, 33		508-0233, 17 , 19		815-0960-04, 20 , 21	
320-0608, 11		332-2879-04, 23		508-1045, 15		821-0040, 25 , 27 , 29	
320-0609, 11		332-2903, 11		508-1114, 15		850-0040, 9	
321-0104, 27 , 29		332-3038, 11		517-0135, 15		851-0027, 11	
321-0127, 27 , 29		332-3039, 11		517-0137, 15		851-0028, 9	
321-0153, 25		332-3606, 23 , 31		517-0266, 17 , 19 , 22		853-0016, 11	
321-0175, 25		332-3647, 15 , 17 , 19		526-0008, 9		853-2005, 15	
321-0237, 27 , 29		337-2365, 11		526-0018, 9		862-0001, 11	
321-0303-02, 27 , 29		337-2366, 11		526-0022, 19		862-0015, 11	
321-0304-01, 27		337-2403, 11		526-0077, 11		862-0026-53, 25 , 27 , 29	
321-0304-02, 27		337-2404, 11		800-0003, 9 , 15		870-0131, 9 , 17 , 19 , 25	
321-0304-03, 27 , 29		337-2410-01, 11		800-0005, 23 , 24 , 31 , 34		870-0201, 13	
321-0304-04, 27 , 29		337-2410-02, 11		800-0007, 11		870-0212, 15 , 17 , 19 , 23 , 24 , 31 , 34	
321-0304-05, 27 , 29		337-2410-03, 11		800-0008, 9		870-0221, 27 , 29	
321-0304-06, 29		337-2414, 11		800-0021, 9		870-0235, 12	
323-1199, 22 , 23 , 25		338-2149, 25		800-0027, 9		870-0263, 27 , 29	
323-1200, 22 , 23 , 25 , 27 , 29		338-2219, 22		800-0028, 11		870-0281, 9	
323-1252, 22		338-2220, 22		800-0030, 11		870-0298, 12	
323-1253, 22		338-2223, 27 , 29		800-2000, 15		870-0320, 9	
323-1291, 25		338-2350, 24		809-0035, 27 , 29		870-2213-02, 30	
323-1302, 24 , 27 , 29		338-3792, 11		812-0177, 19		870-2216, 15 , 17 , 19	
323-1314, 22		338-3836, 23		813-0112, 25		895-0293-03, 17 , 19	
323-1315, 22		338-3838-02, 15 , 17 , 19		813-0116, 25		895-0293-04, 17 , 19	
323-1318, 25 , 27 , 29		338-3851-02, 15 , 17 , 19		815-0029, 9		895-0293-05, 17 , 19	
323-1374-05, 27 , 29		338-3852-02, 15 , 17 , 19		815-0261, 11 , 15		895-0293-06, 17 , 19	
		338-3852-03, 15 , 17 , 19		815-0290, 11			

Cummins Power Generation

1400 73rd Ave. NE
Minneapolis, MN 55432 USA

Phone 1 763 574 5000

Toll-free 1 800 888 6626

Fax 1 763 574 5298

Email ask.powergen@cummins.com

www.cumminspower.com

Cummins®, the "C" logo, and "Our energy working for you."

are trademarks of Cummins Inc.

©2013 Cummins Power Generation, Inc. All rights reserved.

